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# '87

# soya bluebook

Lucas Meyer

The Lecithin people

LUCAS MEYER
AUSSCHLÄGER ELBDEICH 62
2000 HAMBURG 28
TEL. 040/781701 TELEX 2163220 myer d

EDELSOJA

The
Soybean
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AUSSCHLÄGER ELBDEICH 62
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## SOYBEANS - KEEPING OUR COMPETITIVE EDGE

The economic difficulties in U.S. agriculture have heightened the awareness of the need for producing and marketing soybeans and soybean products competitively.

U.S. farmers, processors, product manufacturers, merchandisers, trading firms, trade associations and government work together to get American soybeans and soybean products from farmers through the industrial and commercial complex to the consumer.

As American soybean farmers build profit opportunities for value-added soy products and marketing chain members, those industries, in turn, build a profit opportunity for U.S. soybean farmers. The entire soybean complex interacts to meet the needs of a worldwide marketplace.

We believe our combined efforts to maintain product quality, find new uses and increase trade will benefit each component of the soybean complex.

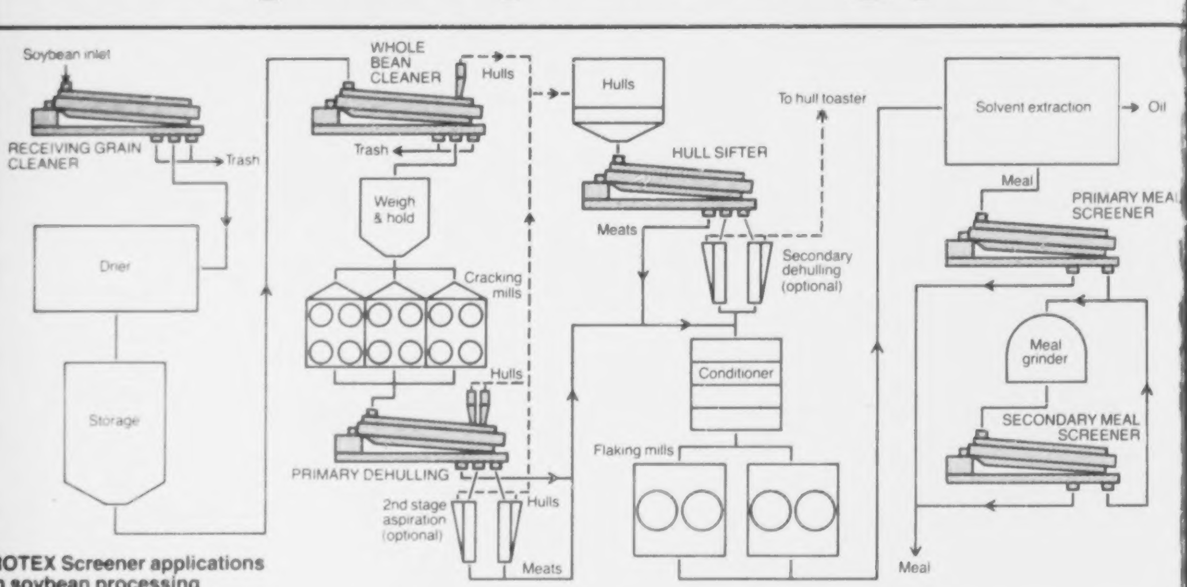
We hope the resource information in **SOYA BLUEBOOK** can help the soybean industry to achieve that objective.

The American Soybean Association - as a farmer-controlled, U.S. commodity organization - is pleased to present the 1987 **SOYA BLUEBOOK**. We hope this issue will support your efforts.

Kenneth L Bader

Kenneth L. Bader
Chief Executive Officer
American Soybean Association

# How Rotex® Screeners increase profits for soybean processing plants


Soybean inlet
RECEIVING GRAIN CLEANER
Trash
Drier
Storage
WHOLE BEAN CLEANER
Hulls
Trash
Weigh & hold
Cracking mills
Hulls
PRIMARY DEHULLING
2nd stage aspiration (optional)
Hulls
Meats
Hulls
HULL SIFTER
Meats
To hull toaster
Secondary dehulling (optional)
Conditioner
Flaking mills
Solvent extraction
Oil
Meal
PRIMARY MEAL SCREENER
Meal grinder
SECONDARY MEAL SCREENER
Meal

**ROTEX Screener applications in soybean processing**

It's surprising how many ways soybean processing plants use ROTEX Screeners. And every application area, from receiving station to meal processing, contributes directly to the soybean plant's bottom line. You profit through greater yields, as ROTEX Screeners minimize the loss of good product during processing. You profit from ROTEX reliability and less downtime. And from more accurate and uniform sizing, for a better quality end product. In every respect, ROTEX Screeners are specifically engineered to meet the requirements of difficult soybean applications.

**Receiving cleaning** — Increasing emphasis is being placed today on the cleaning of incoming grain to remove fines, whose presence tends to restrict circulation and cause product loss during storage. ROTEX Grain Cleaners are ideal for this application because they use a *long stroke/low frequency* horizontal screening motion. The motion quickly stratifies the fines down against the screen openings without violent agitation and remixing; fines readily pass through while the gentle motion minimizes grain breakage and produces maximum yields.

*Model 722 ROTEX Grain Cleaner equipped for aspiration*

**Prep room whole bean cleaning** — Field trash and other oversize foreign matter are quickly removed by ROTEX Screeners as the horizontal gyratory motion minimizes upending of trash and helps prevent screen blinding. ROTEX Screeners can be furnished with aspiration for automatic removal of loose hulls and other light material off the top of the bed of whole beans — while removing grit and fines prior to cracking.

**Cracked bean dehulling** — The ROTEX horizontal gyratory motion causes hulls to ride up on top for easy aspiration, as the meats move to the bottom for steady conveying off the screen surface. Efficient hull removal is accomplished with minimum loss of meats.

**Hull sifting** — ROTEX Screeners produce accurately and uniformly sized fractions, which permits use of falling bed aspirators for additional meat recovery in secondary dehulling systems.

**Meal sifting** — The high capacities of ROTEX Screeners save floor space and power while producing efficient separations and reducing recycle load on the grinding mill.

**Over 70 years' experience** — Whatever your requirements in soybean processing, ROTEX INC. can help increase your yields and your profits. Our test lab is available for analysis and demonstration on your material, or field visits can be arranged to ROTEX installations. Call or write today for further information. ROTEX INC., 1236 Knowlton Street, Cincinnati, Ohio 45223.

**For name of your nearest ROTEX representative, call TOLL-FREE 1-800-243-8160**

**ROTEX INC.**

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*SOYA BLUEBOOK* is published each July. Listings are provided to qualified members of the soybean industry. Every effort has been made to present a publication free of errors and/or omissions. In the event either occur, please contact the editor of *SOYA BLUEBOOK* so corrections can be made in future editions. For additional copies of *SOYA BLUEBOOK* ($25, U.S., Canada, Mexico; $34, all other countries), contact Circulation & Sales Department. For advertising rate information, contact *SOYA BLUEBOOK* Advertising Manager. All inquiries should be directed to:

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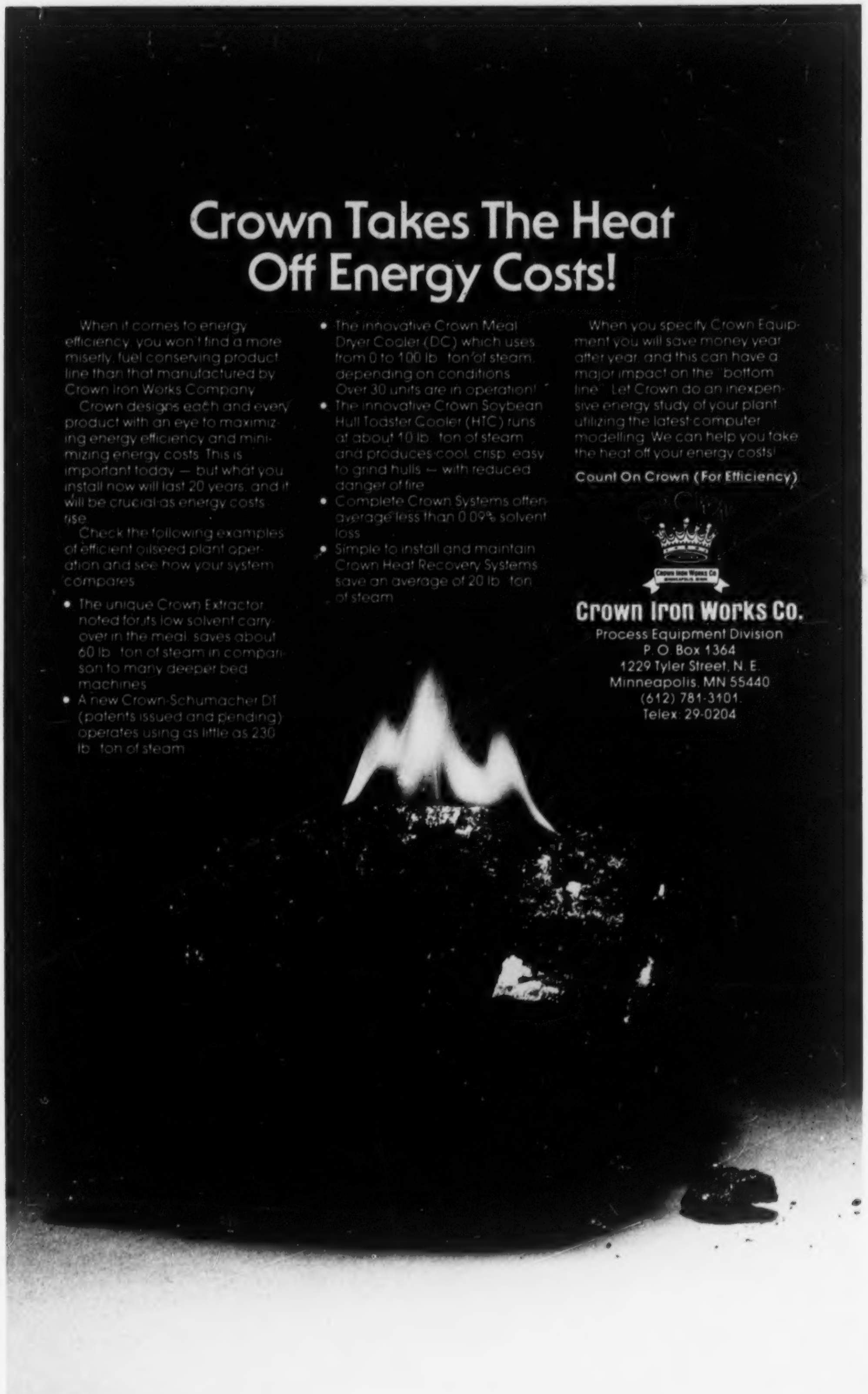

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When it comes to energy efficiency, you won't find a more miserly, fuel conserving product line than that manufactured by Crown Iron Works Company.

Crown designs each and every product with an eye to maximizing energy efficiency and minimizing energy costs. This is important today — but what you install now will last 20 years, and it will be crucial as energy costs rise.

Check the following examples of efficient oilseed plant operation and see how your system compares.

- The unique Crown Extractor, noted for its low solvent carry-over in the meal, saves about 60 lb./ton of steam in comparison to many deeper bed machines.
- A new Crown-Schumacher DT (patents issued and pending) operates using as little as 230 lb./ton of steam.
- The innovative Crown Meal Dryer Cooler (DC) which uses from 0 to 100 lb./ton of steam, depending on conditions. Over 30 units are in operation!
- The innovative Crown Soybean Hull Toaster Cooler (HTC) runs at about 10 lb./ton of steam and produces cool, crisp, easy to grind hulls — with reduced danger of fire.
- Complete Crown Systems often average less than 0.09% solvent loss.
- Simple to install and maintain Crown Heat Recovery Systems save an average of 20 lb./ton of steam.

When you specify Crown Equipment you will save money year after year, and this can have a major impact on the "bottom line". Let Crown do an inexpensive energy study of your plant utilizing the latest computer modelling. We can help you take the heat off your energy costs!

**Count On Crown (For Efficiency)**

**Crown Iron Works Co.**
Process Equipment Division
P. O. Box 1364
1229 Tyler Street, N. E.
Minneapolis, MN 55440
(612) 781-3101.
Telex: 29-0204

## FOREWORD . . .

This edition of SOYA BLUEBOOK marks the 40th year the American Soybean Association has published SOYA BLUEBOOK. SOYA BLUEBOOK presents an overview of the international soybean industry. The intent of this reference and directory is to promote the sale of American soybeans and soybean products to the world market.

SOYA BLUEBOOK has seven major sections. (1) **Organizations** and associations whose activities include emphasis on research, processing, use, transportation and marketing of soybeans and soybean products are listed by country. (2) The **Soy Directory** is a roster of soybean processors and refiners, manufacturers of edible grade soy products and soyfoods, and manufacturers of industrial grade soy products. (3) **Soybean Manufacturing Support Industries** provide commercial, industrial equipment, supplies or services to manufacturers. (4) The **Marketing and Auxiliary Services** section includes companies who provide a link between soy product manufacturers and the consumer, as well as seed suppliers and information sources. (5) The **Soy Statistics** section contains data regarding U.S. and world soybean production, its value, use and export/import. (6) Definitions of general soybean processing and refining terms, as well as soy protein terms, are found in the **Glossary**. (7) The official soybean trading **Standards and Specifications** of the National Soybean Processors Association, Association of American Feed Control Officials and the U.S. Department of Agriculture are reprinted.

Companies and organizations furnish information for all listings. Firms responding with information for the 1987 publication are identified (★), however, all listings have been verified within the last two years. The information published is as complete as possible. The publisher of SOYA BLUEBOOK will not be responsible for any omissions which may have been made unavoidably.

# organizations

★ Updated listing

## UNITED STATES

### AMERICAN SOYBEAN ASSOCIATION ★

777 Craig Rd., P.O. Box 27300, St. Louis, MO 63141, Ph. 314/432-1600; TLX: 4312061 (USBEANS STL).

**FOUNDED:** 1920 **ORGANIZED:** 1925 **INCORPORATED:** 1946

**LEADERSHIP:** Volunteer, farmer members constitute the governing boards.

**STAFF:** Kenneth Bader, Chief Executive Officer; Steve Drake, Executive Vice President

**MEMBERSHIP:** Active Members: 25,000 U.S. soybean farmers. Associate Members: businesses who are engaged in the promotion and interests of soybeans or soybean products. Foreign Contributing Members: businesses and persons interested in the welfare of the soybean industry.

**STRUCTURE:** Farmer-governed boards – 26 affiliated state checkoff and soybean association boards – allocate checkoff funds to the American Soybean Development Foundation (ASDF). ASDF contracts with the American Soybean Association to implement market development, research, and education programs.

Eleven foreign offices service more than 84 countries. Country directors work with the U.S. Department of Agriculture, Foreign Agricultural Service staff and local individuals and groups involved with oilseed utilization, consumption and marketing.

**OBJECTIVES AND ACTIVITIES:** To promote profitable soybean production for U.S. farmers; to support the total soybean industry; to monitor and influence U.S. governmental programs and policy to represent the best interest of U.S. soybean farmers; to promote worldwide utilization of U.S. soybeans and soybean products; to assure a free world market for soybeans; to assure adequate support for soybean research; to inform U.S. soybean farmers of current production and marketing information.

ASA is a national, non-profit, volunteer, single commodity organization of soybean farmers. ASA promotes but does **not** sell soybeans and/or soybean products.

**PUBLICATIONS: Soybean Digest,** a production/management magazine, 12 times/year. **Soybean Update,** a marketing newsletter, 50 times/year, for ASA members only. **Soya Bluebook,** a directory of the soybean industry, each July, $25 (U.S., Canada, Mexico), $34 (other countries).

### THE AMERICAN ASSOCIATION OF CEREAL CHEMISTS (AACC) ★

3304 Pilot Knob Rd., St. Paul, MN 55121. Ph. 612/454-7250; TLX: MCI/WUI 6502439657.

**CONTACT:** Greg Grahek, Marketing Manager

**FOUNDED:** 1915

**MEMBERSHIP:** 3,200 individuals, 200 firms in the milling and baking industries, cereal-based research and education fields or related food science disciplines.

**OBJECTIVES AND ACTIVITIES:** To encourage scientific and technical research on cereal grains, their processing, utilization and products. To standardize analytical methods. To promote the spirit of scientific cooperation among professionals in the field of cereal and seed chemistry.

**PUBLICATIONS: Cereal Foods World,** monthly, $45/year (U.S.). **Cereal Chemistry,** bimonthly, $95/year (U.S.).

### AMERICAN FEED INDUSTRY ASSOCIATION, INC.

(Formerly American Feed Manufacturers Association, Inc.)
1701 N. Ft. Meyer Dr., 12th Floor, Arlington, VA 22209, Ph. 703/524-0810.

**CONTACT:** Rex. A Runyon, Corporate Secretary

**FOUNDED:** 1909

**MEMBERSHIP:** 600 firms that manufacture and/or market animal feed, sell products incorporated into animal feed, or that sell equipment, supplies and services used in the manufacture and distribution of animal feed.

### AMERICAN INSTITUTE OF MERCHANT SHIPPING

1000 16th Street, NW, Suite 511, Washington, DC 20036, Ph. 202/775-4399; TLX: 89424 (AIMSHIP WSH).

**CONTACT:** Thomas J. Lengyel

**FOUNDED:** 1938

**MEMBERSHIP:** 24 firms.

**OBJECTIVES AND ACTIVITIES:** To represent U.S. flag-shipping companies which own or operate tankers, dry bulk carriers and other ocean-going vessels engaged in the domestic and international trades of the U.S.

**PUBLICATIONS:** Not available for public use.

## THE AMERICAN OIL CHEMISTS' SOCIETY (AOCS)

508 S. 6th St., Champaign, IL 61820, Ph. 217/359-2344; TLX: 404472 (OIL CHEM CHN).

**CONTACT:** James Lyon, Executive Director

**FOUNDED:** 1909

**MEMBERSHIP:** 4,117 individuals; 81 firms. Active Members: five years of scientific training or its equivalent and involvement in scientific and/or technological work relating to oils, fats, waxes, their constituents or compounds, or allied or associated products.

**OBJECTIVES AND ACTIVITIES:** To provide continuing education and open communication among members and representatives of the fats and oils fields. The AOCS Official and Tentative Methods of Analysis is widely recognized as a basis for commercial evaluation and trade analysis in fats, oil and meals. The methods book is updated continually by AOCS Uniform Methods and other technical committees through annual additions and revisions.

**PUBLICATIONS:** **Journal of the American Oil Chemists' Society,** monthly, $60/year (U.S.), $70/year (foreign). **Lipids,** monthly, $50/year (U.S.), $60/year (foreign).

## AMERICAN PHYTOPATHOLOGICAL SOCIETY (APS) ★

3304 Pilot Knob Rd., St. Paul, MN 55121, Ph. 612/454-7250; TLX: MCI/WUI 6502439657.

**CONTACT:** Greg Grahek, Marketing Manager

**FOUNDED:** 1908

**MEMBERSHIP:** 4,000 individuals; 65 firms. Plant pathologists and scientists.

**OBJECTIVES AND ACTIVITIES:** To communicate important research findings on crop diseases and their control, new products and services, and other timely issues and events in the field of plant pathology.

**PUBLICATIONS:** **Plant Disease,** monthly, $55/year to individuals (U.S.); $110/year to companies, institutes and libraries (U.S.). **Phytopathology,** monthly, $150/year (U.S.); $175/year (foreign, sent surface mail); $210/year (foreign, sent airmail).

## ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS (AAFCO) ★

P.O. Box 3160, College Station, TX 77841-3160, Ph. 409/845-1121.

**CONTACT:** Barbara J. Sims, Secretary

**FOUNDED:** 1909

**MEMBERSHIP:** 56 state and federal regulatory officials involved with commercial feeds and feed ingredients.

**OBJECTIVES AND ACTIVITIES:** To establish uniform regulations, definitions and standards of feed ingredients.

**PUBLICATIONS:** **AAFCO Official Publication,** annually, $15.

## COMMERCIAL SOYBEAN BREEDERS ★

c/o Asgrow Seed Co., R.R. 1, P.O. Box 191A, Redwood Falls, MN 56283, Ph. 507/644-3011.

**CONTACT:** Alan K. Walker, Secretary

**FOUNDED:** 1976

**MEMBERSHIP:** 61 individuals who personally direct projects or programs for improving soybean cultivars through breeding and/or genetics.

**OBJECTIVES AND ACTIVITIES:** To encourage and promote a professional image and attitude among commercial soybean breeders, a better working relationship among private and public soybean breeders, more effective utilization of existing germplasm in all soybean breeding programs. To represent the collective interests of members in governmental or industrial policy matters. To communicate current research findings. To promote soybeans as a more profitable crop. To improve the efficiency of production and utilization of soybean protein and oil.

## GLYCERINE & OLEOCHEMICAL DIVISION ★
### The Soap and Detergent Association
475 Park Ave., S., New York, NY 10016, Ph. 212/725-1262.

**CONTACT:** Theodore E. Brenner, President

**FOUNDED:** 1952

**MEMBERSHIP:** 18 firms who produce fatty acids and/or glycerine.

**OBJECTIVES AND ACTIVITIES:** To provide information to members and the public on fatty acids, glycerine and their derivatives. To provide a forum for discussion of industry concerns and a vehicle for industry response to regulatory and/or legislative proposals.

## GRAIN ELEVATOR AND PROCESSING SOCIETY ★
301 Fourth Ave., S., Suite 365, P.O. Box 15026, Commerce Station, Minneapolis, MN 55415-0026, Ph. 612/339-4625.

**CONTACT:** John J. Healy, Executive Vice President

**FOUNDED:** 1930

**MEMBERSHIP:** 3,000 individuals.

**OBJECTIVES AND ACTIVITIES:** To promote safe, efficient operations in the grain handling industry. Annual conference and exposition. Grain Industry Safety and Health Center, offering educational and training materials. Regional safety and health seminars. Safety award program.

**PUBLICATIONS:** **In-Grain** (Newsletter), monthly, $12 to nonmembers. **Membership Directory & Yearbook,** annually, $50.

## INSTITUTE OF FOOD TECHNOLOGISTS ★
221 N. LaSalle St., Suite 300, Chicago, IL 60601, Ph. 312/782-8424.

**CONTACT:** Calvert L. Willey, Executive Director

**FOUNDED:** 1939

**MEMBERSHIP:** 23,500 food technologists and scientists, engineers, educators, government regulators, executives and individuals in food-related fields.

**OBJECTIVES AND ACTIVITIES:** To promote the application of science and technology to improve the production, distribution, preparation, evaluation and utilization of foods through stimulating investigations; presenting, discussing and publishing results; raising educational standards; and promoting recognition of food technologists role in industry.

**PUBLICATIONS:** **Food Technology,** monthly, $60/year. **Journal of Food Science,** bi-monthly, $60/year.

## INSTITUTE OF SHORTENING AND EDIBLE OILS, INC. ★
1750 New York Ave., NW, Washington, DC 20006, Ph. 202/783-7960.

**CONTACT:** Robert M. Reeves, President

**FOUNDED:** 1936

**MEMBERSHIP:** 20 firms. Refiners and processors of edible fats and oils.

**OBJECTIVES AND ACTIVITIES:** To improve and promote the edible oils industry through better educational efforts, research and activities within the business sector. To provide industry with timely advice and reports regarding governmental policy, laws, regulations or other matters of acute interest.

**PUBLICATIONS:** **Food Fats and Oils,** updated every 5 years, free. **Wastewaters of Food Oil Plants,** First edition 1985, free.

## NATIONAL ASSOCIATION OF MARGARINE MANUFACTURERS ★
1101 15th St., NW, Suite 202, Washington, DC 20005, Ph. 202/785-3232.

**CONTACT:** Robert H. Kellen, President

**FOUNDED:** 1942

**MEMBERSHIP:** 14 firms. U.S. margarine manufacturers.

**OBJECTIVES AND ACTIVITIES:** To be a source of factual information about margarine for the public, the media and government.

## NATIONAL GRAIN TRADE COUNCIL ★

1030 15th St., NW, Suite 476, Washington, DC 20005, Ph. 202/842-0400.

**CONTACT:** Robert R. Petersen, President

**FOUNDED:** 1936

**MEMBERSHIP:** Grain exchanges, boards of trade, national grain marketing organizations, grain companies and related businesses.

**OBJECTIVES AND ACTIVITIES:** To promote better understanding among the grain trade, government and the public. To advocate principles and merits to open and competitive markets for the distribution of agricultural commodities.

## NATIONAL INSTITUTE OF OILSEED PRODUCTS (NIOP)

**Executive Office:** 111 Sutter St., San Francisco, CA 94104; **Washington Office:** 1725 K St., NW, Suite 506, Washington, DC 20006, Ph. 202/233-5475.

**CONTACT:** Douglas Dies, Asst. to the President (202/223-5475)

**FOUNDED:** 1934

**MEMBERSHIP:** 265 firms. Individuals, firms or corporations interested in activities pertaining to the vegetable oil and oilseed industries.

**OBJECTIVES AND ACTIVITIES:** To promote the business welfare of persons and firms engaged in buying, selling, processing, shipping, manufacturing and otherwise interested in vegetable oils and vegetable oil raw materials.

**PUBLICATIONS:** **NIOP Trading Rules,** annually, $6, plus $1 postage (U.S.). **Washington Correspondence,** weekly, $150/year.

## NATIONAL SOYBEAN PROCESSORS ASSOCIATION ★

1255 Twenty-Third St., NW, Washington, DC 20037, Ph. 202/452-8040; TLX: 248959 (NSPA UR).

**CONTACT:** Sheldon J. Hauck, President

**FOUNDED:** 1929

**MEMBERSHIP:** Regular Members: 13 firms engaged in soybean processing. Associate Members: 21 firms which are consumers of soy oil/soybean meal.

**OBJECTIVES AND ACTIVITIES:** To promote development of domestic and foreign markets for soybean meal and oil. Develop recommended trading rules for domestic and export trade and work with U.S. government officials to promote fair and free trade conditions for soybean products.

**PUBLICATIONS:** **Yearbook & Trading Rules,** annually, $25.

## NATIONAL WATERWAYS CONFERENCE, INC.

1130 17th St., NW, Washington, DC 20036, Ph. 202/296-4415.

**CONTACT:** Harry N. Cook, President

**FOUNDED:** 1960

**MEMBERSHIP:** 10 individuals; 400 firms. Users or beneficiaries of water transportation or water resources programs.

**OBJECTIVES AND ACTIVITIES:** To document the public value of federal water resources management and its importance to the American economy.

**PUBLICATIONS:** **Washington Watch,** monthly, for members only.

## NORTH AMERICAN EXPORT GRAIN ASSOCIATION

1747 Pennsylvania Ave., NW, Suite 1175, Washington, DC 20006, Ph. 202/223-8285; TLX: 897411 (NAGPORT).

**CONTACT:** Joseph Halow, Executive Director

**FOUNDED:** 1917

**MEMBERSHIP:** 2 individuals; 38 firms. Exporters of U.S. grains and members of a board of trade or a bona fide grain exchange. Associate members may be in a related industry and are accepted on the basis of majority board vote.

**OBJECTIVES AND ACTIVITIES:** To serve as a lobbyist for the U.S. grain export business; keep members informed and serve as their spokesman in Washington appearances; conduct public relations programs with farmers and government employees.

**PUBLICATIONS:** **Legislative Report Update,** irregularly.

### SOY PROTEIN COUNCIL ★
1255 Twenty-Third St., NW, Washington, DC 20037, Ph. 202/467-6610; TLX: 248959 (NSPA UR).

**CONTACT:** Sheldon J. Hauck, Executive Vice President

**FOUNDED:** 1971

**MEMBERSHIP:** 4 U.S. firms engaged in processing or sale of edible soy proteins or products.

**OBJECTIVES AND ACTIVITIES:** To build awareness of established nutritional properties of commercially available soy proteins and assist in creating better understanding of the role and utilization of soy proteins in the food system.

### SOYFOODS ASSOCIATION OF AMERICA ★
1101 Connecticut Ave., NW, Suite 700, Washington, DC 20036, Ph. 202/857-1133.

**CONTACT:** Judith A. Walker, Executive Director

**FOUNDED:** 1984

**MEMBERSHIP:** 70 firms. Manufacturers, marketers or distributors of soyfoods products as well as suppliers to the industry.

**OBJECTIVES AND ACTIVITIES:** To provide opportunities for education and exchange of ideas among industry members, create standards, sponsor cooperative marketing and public relations programs, educate consumers regarding the nutritional value of soyfoods and encourage its consumption in the American diet.

**PUBLICATIONS:** **Soyfoods Report,** quarterly, free to members; $80 to nonmembers.

## AUSTRALIA

### AUSTRALIAN OILSEED CRUSHERS ASSOCIATION ★
150 Sussex St., Sydney, N.S.W. 2000, Ph. 61/02/297941.

**CONTACT:** Bryce Bell, Secretary

**FOUNDED:** 1963

**MEMBERSHIP:** 8 firms. Vegetable oilseed crushers.

**OBJECTIVES AND ACTIVITIES:** To develop the growing of oilseeds in Australia and domestic and export markets for seed, oil and meal.

### AUSTRALIAN OILSEEDS FEDERATION ★
150 Sussex St., Sydney, N.S.W. 2000, Ph. 61/02/297941.

**CONTACT:** Bryce Bell, Secretary

**FOUNDED:** 1965

**MEMBERSHIP:** 28 organizations. Oilseed grower organizations, oilseed crusher organizations, vegetable oil and protein user organizations and individual companies involved in the oilseed industry.

**OBJECTIVES AND ACTIVITIES:** To encourage and promote the Australian oilseed industry.

### THE OILSEEDS MARKETING BOARD FOR THE STATE OF N.S.W.
G.P.O. Box 2736, Sydney, N.S.W. 2001, Ph. 02/231-1511; TLX: 25715 (OSEEDS).

**CONTACT:** John D. Ranken, Executive Director

**FOUNDED:** 1973

**MEMBERSHIP:** 15 individuals. Is a statutory marketing authority for all N.S.W. oilseed growers.

**OBJECTIVES AND ACTIVITIES:** To protect and ensure best possible returns to growers; to encourage production of oilseeds; to encourage research and establish research priorities; to act as liaison with the oilseeds processing industry and other grain marketing and bulk handling organizations; to improve the distribution of grain to the domestic and export markets.

**PUBLICATIONS:** Commodity newsletters, quarterly, free.

## AUSTRIA

### BUNDESINNUNG DER MUELLER

**(Federal Millers' Association of Austria)**
Widner Hauptstrasse 63, P.O. Box 357, 1045 Vienna, Ph. 0222/6505, 3650 or 3651.

**CONTACT:** U. Christalon, General Manager

**FOUNDED:** 1947

**MEMBERSHIP:** Firms. Austrian millers and feedstuff producers.

**OBJECTIVES AND ACTIVITIES:** To provide weekly information to all members.

### FACHVERBAND DER NAHRUNGS — UND GENUBMITTELINDUSTRIE, VERBAND DER SPEISEOL — UND FETTINDUSTRIE

**(Austrian Feedmillers Association)**
Zaunergasse 1-3, P.O. Box 144, A-1037 Vienna, Ph. 0222/722121, TLX: 131247 (NAHRUN A).

**CONTACT:** Klaus Smolka, Geschaftsfuhrer

**FOUNDED:** 1946

**MEMBERSHIP:** 8 firms. Austrian mixed feed manufcturers.

**OBJECTIVES AND ACTIVITIES:** To represent the interests of members.

**PUBLICATIONS:** **Ernahrung**, monthly, OS650.

## BANGLADESH

### BANGLADESH VEGETABLE OIL REFINERS' AND VANASPATI MANUFACTURERS' ASSOCIATION ★

Sharif Mansion, 3rd Floor, 56/57 Motijheel Commercial Area, Dhaka, Ph. 256492.

**CONTACT:** M. Nasir, Vice Chairman

**FOUNDED:** 1963

**MEMBERSHIP:** 9 firms. Refiners of crude degummed soybean oil and producers of vegetable ghee/vanaspati.

**OBJECTIVES AND ACTIVITIES:** To promote, protect and safeguard the interests of members.

## BELGIUM

### ASSOCIATION INTERNATIONALE DE LA SAVONNERIE ET DE LA DETERGENCE (AIS) ★

**(International Association of the Soap and Detergent Industry)**
Square Marie-Louise 49, B-1040 Brussels, Ph. 32/21/230-8371; TLX: 23167 (FECHIM B).

**CONTACT:** Pierre V. Costa, Secretary General

**FOUNDED:** 1952

**MEMBERSHIP:** 18 national associations (Western Europe and Australia) representing more than 600 companies which produce or distribute soap and detergents.

**OBJECTIVES AND ACTIVITIES:** To study industry issues; support research, especially in areas of health and environment; distribute information to members; act as a spokesperson for the industry.

**PUBLICATIONS:** **AIS Informational Bulletin**, bi-monthly, free to members.

### ASSOCIATION PROFESSIONNELLE DES FABRICANTS D'ALIMENTS COMPOSES POUR ANIMAUX (APFACA ASBL) ★

**(Belgian Animal Feedmillers Association)**
31, Rue de l'Hopital, Boite 7, B-1000 Brussels, Ph. 32/2/512-0955; TLX: 23403 (APFACA B).

**CONTACT:** J. van Kan, General Secretary

**FOUNDED:** 1944

**MEMBERSHIP:** 100 firms. Animal feed manufacturers.

**OBJECTIVES AND ACTIVITIES:** To represent the feed industry and defend the general and individual interests of members.

### THE EEC SEED CRUSHERS AND OIL PROCESSORS' FEDERATION (FEDIOL)
74, Rue de la Loi, Boite 4, 1040 Brussels, Ph. 02/230-3125; TLX: 23628 (OLMA B).

**CONTACT:** Andre Sieffert, Secretary General

**FOUNDED:** 1958

**MEMBERSHIP:** Seed crushing and oils and fats processing trade associations of the European Community countries; individual companies in the absence of such trade associations in their country.

**OBJECTIVES AND ACTIVITIES:** To defend the interests of the represented industries on an EEC and an international scale.

### EUROPEAN FEED MANUFACTURER'S ASSOCIATION (FEFAC)
223, Rue de la Loi, 1040 Brussels, Ph. 02/230-8715; TLX: 22393.

**CONTACT:** Andre Namur, Secretary General

**FOUNDED:** 1959

**MEMBERSHIP:** 13 feed manufacturing firms.

**OBJECTIVES AND ACTIVITIES:** To represent the national feed manufacturing industry and defend and promote its interests. To strive for a profitable and efficient compound feed industry.

**PUBLICATIONS:** **Feed & Food Activity Report,** annually. **Panorama,** 2 times/month. **Marketing Intelligence,** 2 times/month. **Statistics,** 2 times/month. Total cost for all publications — $300.

### EUROPEAN VEGETABLE PROTEIN FEDERATION (EUVEPRO) ★
c/o Food International, Leuvensestraat, 29, B-1800 Vilvoorde, Ph. 32/02/720-9544; TLX: 64388.

**CONTACT:** Arnold van Hecke, General Secretary

**FOUNDED:** 1977

**MEMBERSHIP:** 7 organizations. EEC member states' national organizations which represent vegetable protein producers and users.

**OBJECTIVES AND ACTIVITIES:** To provide EEC and international representation and promotion of the interests of vegetable protein producers and users.

**PUBLICATIONS:** **EUVEPRO Newsletter,** 3-4 times/year, free. **EUVEPRO Survey of Legislations,** updated when needed.

### FEDERATION DES FABRICANTS D'HUILES DE BELGIQUE ★
**(Federation of Belgian Oil Manufacturers)**
Rue de la Loi, 74, Boite, 4, 1040 Brussels, Ph. 02/230-1192; TLX: 23628 (OLMA B).

**CONTACT:** Miss Maritta Boetman, Secretary

**FOUNDED:** 1945

**MEMBERSHIP:** 9 firms. Oilseed processors.

### INTERNATIONAL FEDERATION OF MARGARINE ASSOCIATIONS (IFMA) ★
Rue de la Loi, 74, Boite 3, 1040 Brussels, Ph. 02/230/4810; TLX: 23628 (OLMA B).

**CONTACT:** Ivan Hodac, Secretary General

**FOUNDED:** 1958

**MEMBERSHIP:** 22 firms. Margarine producers and their national associations.

**OBJECTIVES AND ACTIVITIES:** To enable member associations to collaborate on the solution of common problems of the margarine industry and to promote and defend the interests of this industry.

**PUBLICATIONS:** Newsletter, 6 issues/year, free. Annual General Meeting Report, annually, BF500.

## BRAZIL

### ASSOCIACAO BRASILIERA DAS INDUSTRIAS DE OLEOS VEGETAIS (ABIOVE) ★
**(Brazilian Vegetable Oil Industries Association)**
Avenida Paulista, 460, 4° Andar, 01310 Sao Paulo, S.P., Ph. 011/287-3433; TLX: 011-32010 or 36020 (ABOV BR).

**CONTACT:** Arturo Jose Furlong, Chairman of the Board

**FOUNDED:** 1981

**MEMBERSHIP:** 70 firms. Oilseed crushers or vegetable oil refiners.

**OBJECTIVES AND ACTIVITIES:** To represent and support the interests of Brazilian crushers and refiners and to collaborate with the Brazilian government to aid development of socio-economic policies.

**PUBLICATIONS:** Informativo ABIOVE, monthly, free.

## CANADA

### CANADIAN FOOD PROCESSORS ASSOCIATION ★

130 Albert St., Suite 1409, Ottawa, Ontario K1P 5G4, Ph. 613/233-4049.

**CONTACT:** Douglas J.R. Lisle, President

**FOUNDED:** 1947

**MEMBERSHIP:** 130 firms. Manufacturers of processed foods.

**OBJECTIVES AND ACTIVITIES:** To promote the Canadian food processing industry by providing technical, regulatory, legislative and communication services to members.

### INSTITUTE OF EDIBLE OIL FOODS

1185 Eglinton Ave., E., Suite 101, Don Mills, Ontario M3C 3C6, Ph. 416/429-1004.

**CONTACT:** Carol Findlay, Manager

**MEMBERSHIP:** 16 firms. Growers, crushers and refiners of oilseeds and manufacturers of edible oil products.

**OBJECTIVES AND ACTIVITIES:** To promote consumer understanding of the edible oil industry's contribution to Canada by providing information on edible oil foods to medical and nutritional groups, government and media. To work with government to draft non-restrictive regulations and guidelines concerning edible oil foods. To provide a forum for member companies.

### ONTARIO SOYA-BEAN GROWERS' MARKETING BOARD ★

180 Riverview Dr., Box 1199, Chatham, Ontario N7M 5L8, Ph. 519/352-7730; TLX: 064-78546 (CANSOY).

**CONTACT:** Fred Brandenburg, Secretary Manager

**FOUNDED:** 1949

**MEMBERSHIP:** 20,000 individuals. Ontario soybean growers.

**OBJECTIVES AND ACTIVITIES:** To improve the terms and conditions for the marketing of soybeans.

**PUBLICATIONS:** Newsletter, bi-monthly, free.

## DENMARK

### MARGARINE-INDUSTRIENS FAELLES-UDVALG (MIFU) ★

**(Association of Danish Margarine Manufacturers)**

16 Grabrodretorv, DK-1154 Copenhagen K, Ph. 00945/1/123880.

**CONTACT:** Mogens Hess-Petersen, Secretary

**FOUNDED:** 1948

**MEMBERSHIP:** 9 firms. Danish manufacturers of margarine and related products.

**OBJECTIVES AND ACTIVITIES:** To promote the joint interests of the Danish margarine industry.

## ENGLAND

### THE FEDERATION OF OILS, SEEDS AND FATS ASSOCIATIONS LTD. (FOSFA, INTERNATIONAL) ★

24 St. Mary Axe, London EC3A 8ER, Ph. 01/283-5511 or 283-2707; TLX: 8812757 (FOSFA G).

**CONTACT:** D. A. Reffold, Chief Executive and Secretary

**FOUNDED:** 1971

**MEMBERSHIP:** 7 individuals; 500 firms. Companies, corporations, state trading organizations, firms and individuals involved in the oilseeds, oils, fats and HPS groundnuts trade. Analyst membership for analysts whose standards are approved.

**OBJECTIVES AND ACTIVITIES:** To issue contract forms, provide arbitration and appeals; contractual analysis. To promote scientific research; education and training. To represent members' interests to governments, government groups and the media.

**PUBLICATIONS:** **Contract Manual,** quarterly amendment service, L80 (members), L240 (nonmembers). Handbook, L30 (nonmembers). Contracts, L3.50 (nonmembers). **Official Methods,** L6 (nonmembers).

### THE GAFTA SOYA BEAN MEAL FUTURES ASSOCIATION LTD. (GAFTA) ★

Baltic Exchange Chambers, 24/28 St. Mary Axe, London EC3A 8EF, Ph. 01/283-5146; TLX: 886984 (GAFTA G)

**CONTACT:** W. J. Englebright, Secretary

**FOUNDED:** 1978

**MEMBERSHIP:** 45 firms. Companies using commodity markets.

**OBJECTIVES AND ACTIVITIES:** To provide a market for soya bean meal futures.

**PUBLICATIONS:** **Soyabean Meal Futures Market,** updated when necessary. Chairman's Report & Accounts, annually.

### LEATHERHEAD FOOD RESEARCH ASSOCIATION ★

Randalls Rd., Leatherhead, Surrey KT22 7R4, Ph. 44/372/376761; TLX: 929846 (FOOD RA G).

**CONTACT:** Richard Swift, Manager Sales & Training

**FOUNDED:** 1919

**MEMBERSHIP:** 680 firms associated with the food industry, worldwide.

**OBJECTIVES AND ACTIVITIES:** To promote improvements in the scientific and technical fields of the international food industry by providing routine and special analysis, long-term research, new product development, consulting, information, databases and databanks, publications, training and conferences.

**PUBLICATIONS:** Numerous publications for purchase by members and nonmembers; list available.

## FEDERAL REPUBLIC OF GERMANY

### DEUTSCHE GESELLSCHAFT FUR ERNAHRUNG (DGE) ★

**(German Society of Nutrition)**

Feldbergstrasse 28, D-6000 Frankfurt 1, Ph. 069/720146.

**CONTACT:** Volker Peinelt

**FOUNDED:** 1953

**MEMBERSHIP:** 1,700 individuals; 150 firms.

**OBJECTIVES AND ACTIVITIES:** To advise in matters of nutrition for individuals and mass catering; sponsor scientific meetings and publications.

**PUBLICATIONS:** **Ernahrungsuorschau,** monthly. **Ernahrungsbericht,** every 4 years. **Empfehlungen Fur Die Nahrstoffzufuhr,** every 5 years. Numerous publications of data and research on various matters of nutrition; list available.

### DEUTSCHE GESELLSCHAFT FUR FETTWISSENSCHAFT e.V. (DGF) ★

**(German Society for Fat Science)**

Soesterstrasse 13, D-4400 Munster, Ph. 0251/64745.

**CONTACT:** K. F. Gander, President or H. Bruning, Geschaftsfuhrer

**FOUNDED:** 1936

**MEMBERSHIP:** 300 individuals; 150 firms.

**OBJECTIVES AND ACTIVITIES:** To promote unity and common goals among different disciplines within the fats industry.

**PUBLICATIONS:** **Fett Wissenschaft Technologie** (Fat Science Technology), 14 times/year, DM371.

### FACHVERBAND DER FUTTERMITTELINDUSTRIE e.V. ★

**(Feedmillers Association)**

Buschstrasse 32, P.O. Box 190163, D-5300 Bonn 1, Ph. 0228/213001; TLX: 886303.

**CONTACT:** Volkward Koch, Chief Executive Officer

**FOUNDED:** 1918

**MEMBERSHIP:** 167 firms. Companies producing mixed feed or feed ingredients.

**OBJECTIVES AND ACTIVITIES:** To represent the interests of members to government, other associations and the general public. To exchange knowledge and experience in the production and application of compound feed. To promote fair competition. To work with the science and associations in agriculture and contiguous industries.

**PUBLICATIONS:** **Kraftfutter,** monthly, DM138.60. Bulletins, irregularly, free.

### MARGARINE-INSTITUT FUR GESUNDE ERNAHRUNG ★

**(Margarine Institute for Healthy Nutrition)**
Friesenweg 1, D-2000 Hamburg 50, Ph. 040/882091.

**CONTACT:** Peter A. Zanger, Director

**FOUNDED:** 1962

**MEMBERSHIP:** Margarine manufacturers and organizations with interests in margarine and its raw materials.

**OBJECTIVES AND ACTIVITIES:** To promote research on margarine and to inform different target groups about margarine.

**PUBLICATIONS:** **PDM** (Information Bulletin), 6 times/year, free.

### VERBAND DEUTSCHER OELMUEHLEN e.V.

**(German Seed Crushers Association)**
Kronprinzenstrasse 24, D-5300 Bonn 2, Ph. 0228/363056; TLX: 885630 (OELVB D).

**CONTACT:** Hanno Juehe, Counselor

**FOUNDED:** 1901

**MEMBERSHIP:** 20 firms. Oil millers and crushers.

**OBJECTIVES AND ACTIVITIES:** To represent the industry and its interests to national authorities, legislative bodies and through membership in European and international trade associations.

### VEREIN DER GETREIDEHANDLER DER HAMBURGER BORSE e.V. ★

**(Hamburg Grain Merchants Exchange)**
Borse, Kontor 24, D-2000 Hamburg 11, Ph. 040/36202; TLX: 403968.

**CONTACT:** Ferdinand Kemme, General Director

**FOUNDED:** 1868

**MEMBERSHIP:** 180 firms.

**OBJECTIVES AND ACTIVITIES:** To promote and protect interests of members. To issue contract forms and provide arbitration.

**PUBLICATIONS:** Weekly circulars, for members only.

## FRANCE

### ASSOCIATION DES CREATEURS DE VARIETES DE SOJA (ACVS) ★

**(Association of Soybean Breeders)**
7, Rue Coq-Heron, 75001 Paris, Ph. 4233-3708; TLX: 211534 (CEVEG).

**CONTACT:** Pierre Gayraud, President — Soybean Section

**MEMBERSHIP:** 15 firms. Agricultural, industrial or commercial firms owning their own basic or applied research centers for plant breeding and working on soybeans or similar species.

**OBJECTIVES AND ACTIVITIES:** To exchange information regarding research, creation and multiplication of new plant varieties.

### ASSOCIATION DES ETABLISSEMENTS OBTENTEURS ET MULTIPLICATEURS DE SEMENCES DE PLANTES OLEAGINEUSES (AMSOL) ★

**(Association of Oilseed Breeders and Seed Companies)**
12, Avenue George V, 75008 Paris, Ph. 01/4720-1014; TLX: 613683 (AGRISEM).

**CONTACT:** Claude Heros, Director

**FOUNDED:** 1948

**MEMBERSHIP:** 43 firms. Companies involved in seed selection, production and marketing; breeders and seed producers of rapeseed, flaxseed, soybean and sunflower.

**OBJECTIVES AND ACTIVITIES:** To ensure economic and technical communications, exchanges and planning at all levels. To coordinate seed production. To expand the activity of breeders and seed companies. To collaborate with government or private research institutes to promote improvement of both breeding material and production of the corresponding crop. To represent the profession on French and EEC ministerial agencies.

### ASSOCIATION GENERALE DES PRODUCTEURS D'OLEAGINEUX (AGPO) ★

**(Association of Oilseed Producers)**
12, Avenue George V, 75008 Paris, Ph. 1/4720-8915; TLX: 612575 (UNIP F).

**CONTACT:** Bernard LeQuellec, Director

**FOUNDED:** 1945

**MEMBERSHIP:** 130,000 individuals. Producers of oilseeds.

**OBJECTIVES AND ACTIVITIES:** To represent the interests of members.

**PUBLICATIONS:** **Bulletin Oleagineux,** as needed, free.

### CHAMBRE SYNDICALE DES NEGOCIANTS, IMPORTATEURS ET EXPORTATEURS DE CORPS GRAS ET OLEAGINEUX ★

**(Association of Traders, Importers & Exporters for Fats & Oils and Oilseeds)**
8, Rue du Rome, 75008 Paris, Ph. 33/1/4522-9617; TLX: 650921 (FECHIM F).

**CONTACT:** Pierre Sellier, General Secretary

**FOUNDED:** 1940

**MEMBERSHIP:** 8 firms. French trade companies dealing in vegetable and animal oils, fats and seeds.

**OBJECTIVES AND ACTIVITIES:** To promote the fats and oils trade.

**PUBLICATIONS:** Bulletin, monthly, for members only.

### COOPERATIVE DES AGRICULTEURS DE BRETAGNE (COOPAGRI-BRETAGNE) ★

**(Agricultural Cooperative of Brittany)**
Lanrinou, B.P. 100, 29206 Landerneau, Ph. 19/33/9825-3000; TLX: 940569.

**CONTACT:** Georges Barbaret, Director General

**FOUNDED:** 1911

**MEMBERSHIP:** 20,000 farmers in Brittany.

**OBJECTIVES AND ACTIVITIES:** To promote agricultural production in Brittany.

**PUBLICATIONS:** **Paysan Breton,** weekly, FF100/year.

### EUROPEAN SOYFOODS ASSOCIATION (ESFA) ★

12, Avenue George V, 75008 Paris, Ph. 33/1/4720-8055; TLX: 612575 (UNIP).

**CONTACT:** Guy Coudert, Executive Director

**FOUNDED:** 1986

**MEMBERSHIP:** 12 firms. European soyfoods producers and distributors and others in the European food industry using soyfoods as a basic ingredient.

**OBJECTIVES AND ACTIVITIES:** To promote development of soyfoods utilization, set standards, work with government officials on specific regulatory problems and to exchange ideas.

**PUBLICATIONS:** **Soyfoods,** quarterly, FF380.

### FEDERATION NATIONALE DES COOPERATIVES DE PRODUCTION ET D'ALIMENTATION ANIMALES (SYNCOPAC)

**(French Association of Animal Feed Manufacturers)**
129 Blvd. St. Germain, 75279 Paris, Cedex 06, Ph. 4329-8702; TLX: 260770 (COPAC).

**CONTACT:** Claude Mouette

**FOUNDED:** 1954

**MEMBERSHIP:** 75 cooperatives.

### INSTITUT DES CORPS GRAS (ITERG) ★

**(Fats and Oils Research Institute)**
10A, Rue de la Paix, 75002 Paris, Ph. 01/4296-5029.

**CONTACT:** Jean Bernard Chazan, General Manager

**FOUNDED:** 1943

**MEMBERSHIP:** 200 French firms. Producers of fats, oils, margarine, soaps, lipochemicals, oilseed meal.

**OBJECTIVES AND ACTIVITIES:** To conduct scientific and technical research and development on fats, oils and related products, especially in the fields of analytical and organic chemistry, biotechnology, technology (pilot plants).

**PUBLICATIONS:** **Revue Francaise des Corps Gras,** monthly, FF860/year or FF110 per issue.

### ORGANISATION NATIONALE INTERPROFESSIONNELLE DES OLEAGINEUX (ONIDOL) ★

**(National Oilseeds Organization)**
12, Avenue George V, 75008 Paris, Ph. 33/1/4720-8055; TLX: 612575.

**CONTACT:** Jean Daney de Marcillac, Executive Director

**FOUNDED:** 1975

**MEMBERSHIP:** 7 organizations which represent oilseeds production, processing and marketing.

**OBJECTIVES AND ACTIVITIES:** To represent the interests of the oilseed market in the framework of the EEC rules and French legislation on interprofessional organizations.

### ORGANISATION NATIONALE INTERPROFESSIONNELLE DES OLEAGINEUX (ONIDOL) ★

**Conseil Interregional Du Soja**
17, Rue de Fleurance, 31400 Toulouse, Ph. 6153-8180; TLX: 531477 (OLEOPRO).

**CONTACT:** Emmanuel Prudon, Director

**FOUNDED:** 1982

**MEMBERSHIP:** 39 individuals. Farmers.

**OBJECTIVES AND ACTIVITIES:** To study techniques of production.

**PUBLICATIONS:** **L'Inoculum,** 4 times/year, free.

### SOCIETE INTERPROFESSIONNELLE DES OLEAGINEUX, PROTEAGINEUX & CULTURES TEXTILES (SIDO)

**(Interprofessional Organization for Oil and Protein Seeds and Textile Plants)**
174, Avenue Victor Hugo, 75116 Paris, Ph. 4505-1423; TLX: 611904.

**CONTACT:** Pierre Murret-Labarthe or Hubert Benoit

**FOUNDED:** 1970

**OBJECTIVES AND ACTIVITIES:** Acts as an intervention office for rapeseed, sunflowerseed, soyabean, olive oil, peas, field bean and dehydrated alfalfa. In cooperation with French administration, distributes funds from FEOGA. Provides a forum for French professional organizations to examine problems concerning seeds production, marketing, crushing and utilization.

**PUBLICATIONS:** **Torteaux & Autres Matieres Riches en Proteines,** annually, FF175. **Les Huiles Vegetale Alimentaries,** annually, FF175. **Les Graines Oleo-Proteagineuses Communautaires,** annually, FF175.

### SYNDICAT FRANCAIS DES NEGOCIANTS EN OLEAGINEUX ET PROTEAGINEUX (SFNOP) ★

**(National Union of Oilseed and Protein Traders)**
276, Bourse de Commerce, 75040 Paris Cedex 01, Ph. 16/1/4233-2181; TLX: 220575.

**CONTACT:** Alain d'Anselme, Deputy General

**MEMBERSHIP:** 650 firms. Trading companies.

**OBJECTIVES AND ACTIVITIES:** To represent the interests of members.

**PUBLICATIONS:** **Negoce et Agriculture,** 6 times/year.

## HUNGARY

### AGROKOMPLEX — CENTRAL SOYA TAKARMANYOZASTECHNOLOGIAI EGYUTTMUKODES ★

**(Central Soya Cooperative for Feeding Technology)**
8112 Zichyujfalu, Ph. 06/22/11145-218; TLX: 21249

**CONTACT:** Gabor Reischl, Director

**FOUNDED:** 1970

**MEMBERSHIP:** 76 state farms and 279 farm cooperatives

**OBJECTIVES AND ACTIVITIES:** To supply members with complete premixes and finished feeds.

**PUBLICATIONS:** **Agrokomplex Informatio,** quarterly.

### MAGYAR ELELMEZESIPARI TUDOMANYOS EGYESULET ★

**(Hungarian Scientific Society for the Food Industry)**
Akademia utca 1-3, P.O. Box 5, H-1361 Budapest, Ph. 36/1/122859; TLX: 225792 (MTESZ).

**CONTACT:** Istvan Toth-Zsiga, Secretary General

**FOUNDED:** 1949

**MEMBERSHIP:** Approximately 12,000 individuals. Membership is free for scientifics and practical technicians.

**OBJECTIVES AND ACTIVITIES:** To develop and stimulate research in all fields of the food industry, to interpret results and transmit findings to those in the practice.

**PUBLICATIONS:** **Food Industry,** monthly, Ft300/year. **Oenology,** quarterly, Ft130/year. **Tobacco Industry,** quarterly, Ft130/year. **Sugar Industry,** quarterly, Ft104/year. **Meat Industry,** quarterly, Ft196/year. **Refrigeration Industry,** quarterly, Ft104/year. **Candy and Paprika Industry,** quarterly, Ft130/year. **Oil-Soap-Cosmetics,** quarterly, Ft104/year. **Alcool Industry,** quarterly, Ft130/year. **Dairy Industry,** quarterly, Ft78/year.

## INDIA

### THE BOMBAY OILSEEDS & OILS EXCHANGE LTD. ★

Jenabai Bldg., Ysuf Meheralli Rd., P.O. Box 13009, Bombay 400003, Ph. 324361 or 32510.

**CONTACT:** G. K. Shah, Secretary

**FOUNDED:** 1926

**MEMBERSHIP:** 490 firms. Crushers, exporters, dealers and brokers.

**OBJECTIVES AND ACTIVITIES:** To promote and protect the interests of those engaged and interested in the trade or business of oilseeds, oils, oilcakes and manufactured oil products.

**PUBLICATIONS:** **Oils & Oilseeds Journal,** monthly, US$15. **Oilseeds & Oils Bulletin,** daily, RS.350.

### THE CENTRAL ORGANIZATION FOR OIL INDUSTRY AND TRADE

Anna Bhavan, 3rd Floor, 87-C Devji Rattansey Marg., Bombay 400009, Ph. 336607; GRAM: CENTRALOIL.

**CONTACT:** R. C. Sheth, Secretary

**FOUNDED:** 1950

**MEMBERSHIP:** 155 firms and associations. Ordinary Members: associations related to oilseeds, vegetable oils and allied products industries and trade. Associate Members: firms and companies related to such industries or trade.

**OBJECTIVES AND ACTIVITIES:** To promote and protect the interests of oilseeds, vegetable oils and allied products industries and trade in India.

**PUBLICATIONS:** Annual Report, RS.30. **Rabi Oilseeds Seminar Report,** annually, RS.30.

### DELHI VEGETABLE OIL TRADERS' ASSOCIATION

73, Gali Memwali, Katra Baryan, Delhi 110006, Ph. 237478.

**CONTACT:** Mansukhbhai Patel, President or Sat Narain Aggarwal, Honorary General Secretary

**FOUNDED:** 1968

**MEMBERSHIP:** 98 firms.

**OBJECTIVES AND ACTIVITIES:** To deal with the problems of members with local and central government authorities. To settle disputes, if any, among members. Operates a food-fat laboratory for members.

## THE GRAIN, RICE & OILSEEDS, MERCHANTS' ASSOCIATION ★
72/80 Yusuf Meherali Rd., Bombay 400003, Ph. 324021 or 324022.

**CONTACT:** R.J. Bhatt, Secretary

**FOUNDED:** 1899

**MEMBERSHIP:** 1,049 traders dealing in wholesale foodgrains and oilseeds.

**OBJECTIVES AND ACTIVITIES:** To promote the foodgrains and oilseeds trade.

**PUBLICATIONS:** **Vanijya,** monthly, RS.10/year.

## INDIAN OIL AND PRODUCE EXPORTERS ASSOCIATION (IOPEA) ★
78/79, Bajaj Bhawan, 7th Floor, Nariman Point, Bombay 400021, Ph. 022/202-3225 or 202-9295; TLX: 011-5637 (IOPE IN).

**CONTACT:** G. Chandrashekhar, Secretary

**FOUNDED:** 1956

**MEMBERSHIP:** 220 firms. Exporters, graders and processors of peanuts; surveyors; analysts; brokers; oil millers.

**OBJECTIVES AND ACTIVITIES:** Appointed by the government of India to serve as the agency to monitor exports of HPS groundnuts; regulate exports; conduct market intelligence, crop and aflatoxin surveys; promote exports; and act as an advisor to the government.

**PUBLICATIONS:** **IOPEA Trade Vision,** monthly, for members only.

## KURNOOL OIL MILLERS' ASSOCIATION ★
Agricultural Market Yard, Bellary Rd., Kurnool 518003, Ph. 91/08518/20598.

**CONTACT:** Chandrakant H. Shah, President

**FOUNDED:** 1973

**MEMBERSHIP:** 14 firms. Manufacturers of groundnut, cottonseed and sunflower oil.

**OBJECTIVES AND ACTIVITIES:** To keep members informed of all various government orders, taxation and labor laws and to work as a liaison between government and members.

## THE MADRAS OIL AND SEEDS ASSOCIATION ★
16, Francis Joseph Street, P.O. Box 1639, Madras 600001, Ph. 23318 or 27893.

**CONTACT:** T. R. Thambu Reddi, Secretary

**FOUNDED:** 1946

**MEMBERSHIP:** 16 individuals; 192 firms. Vanaspati units, refiners, oil mills and dealers, cooperative institutions and government agencies.

**OBJECTIVES AND ACTIVITIES:** To provide information and laboratory services for members.

**PUBLICATIONS:** **Daily Market Report,** daily, RS.120/year.

## MINOR OILSEEDS PROCESSORS' ASSOCIATION OF INDIA
c/o Orissa Oil Industries Ltd., 25 Granash Ch. Ave., Calcutta 700013, Ph. 26-2510, 26-4815 or 26-9758; TLX: 021-4428 (SOIL).

**CONTACT:** J. P. Lath, President

**FOUNDED:** 1978

**MEMBERSHIP:** Organizations related to the minor oilseeds processing industry. Ordinary and associate memberships available.

**OBJECTIVES AND ACTIVITIES:** To promote and protect the trade, commerce, manufacturing and export of minor oilseeds, oils, oil cakes and allied products.

## OILS AND SEEDS IMPORTERS ASSOCIATION OF INDIA ★
c/o IOPEA, 78/79, Bajaj Bhawan, 7th Floor, Nariman Point, Bombay 400021, Ph. 022/202-3225 or 202-9295; TLX: 011-5637 (IOPE IN).

**CONTACT:** G. Chandrashekhar, Secretary

**FOUNDED:** 1978

**MEMBERSHIP:** 150 firms. Refiners; solvent extraction units; oil millers; importers of oils, oilseeds and fats; surveyors; analysts; brokers.

**OBJECTIVES AND ACTIVITIES:** To promote participation of private trade in import and distribution of edible oils; to advocate the import of oilseeds; liaison with government; packing of edible oils for the government.

### PROTEIN FOODS AND NUTRITION DEVELOPMENT ASSOCIATION OF INDIA (PFNDAI) ★

Mahalaxmi Chambers, 22 Bhulabhai Desai Rd., Bombay 400026, Ph. 492-8858.

**CONTACT:** C. L. Nagarsekar, Executive Director

**FOUNDED:** 1968

**MEMBERSHIP:** 45 firms. Companies producing processed foods, soya products and nutrition supplements. Also, national laboratories and institutes connected with food and nutrition.

**OBJECTIVES AND ACTIVITIES:** To promote better nutrition in the country and to disseminate information about food and nutrition. To provide consultancy services to food industries with special emphasis on protein foods. To assist the government in formulating standards for processed foods and also in formulating various foods for vulnerable groups.

**PUBLICATIONS:** **PFNDAI Newsletter,** monthly, RS.50/year.

### SHRI SAURASHTRA OIL MILLS ASSOCIATION, JAMNAGAR (SOMA)

Shri M.P. Shah Municipal Industrial Estate, Sharu Section Rd., Jamnagar 361002, Ph. 72184 or 72554; GRAM: OILMILLERS (SOMA).

**CONTACT:** H. H. Patel, Chief Executive

**FOUNDED:** 1948

**MEMBERSHIP:** 250 individuals and firms. Seed crushing oil mills and solvent extraction plants.

**OBJECTIVES AND ACTIVITIES:** To promote and develop industries relating to oils, oilseeds, oilcakes.

### THE SOYBEAN PROCESSORS ASSOCIATION OF INDIA (SOPA) ★

22-A, Srinagar Annexe, Indore 452001, Ph. 38554; TLX: 0735-308 (SOPA IN).

**CONTACT:** O.P. Goel, Honorary Secretary

**FOUNDED:** 1979

**MEMBERSHIP:** 200 firms. Soya processors and other related companies.

**OBJECTIVES AND ACTIVITIES:** Channel agency for the export of soybean meal and development of soybeans and soybean products.

**PUBLICATIONS:** **Soybean, Volume 1,2,3,4,** every 2 years, free.

### THE VANASPATI MANUFACTURERS' ASSOCIATION OF INDIA

908, Akash Deep Bldg., 26-A Barakhamba Rd., New Delhi 110001, Ph. 331-2640, 331-0758 or 331-5698; TLX: 3012 (VMAI IN).

**CONTACT:** G. K. Sood, Chief Executive

**FOUNDED:** 1939

**MEMBERSHIP:** 56 firms. Manufacturers of vanaspati (shortening).

**OBJECTIVES AND ACTIVITIES:** To promote the growth and interests of the vanaspati industry.

### VEGETABLE OILS ASSOCIATION OF INDIA

Anna Bhavan, 3rd Floor, 87-C Devji Rattansey Marg., Bombay 400009, Ph. 336607; GRAM: c/o CENTRALOIL.

**CONTACT:** R. C. Sheth, Secretary

**FOUNDED:** 1946

**MEMBERSHIP:** 25 firms. Oilseed crushers, vegetable oil refiners or manufacturers of fatty acids.

**OBJECTIVES AND ACTIVITIES:** To promote and protect the interests of the vegetable oil industry in India.

**PUBLICATIONS:** Annual Report, free.

## INDONESIA

### PERSATUAN AHLI GIZI INDONESIA (PERSAGI) ★

**(Indonesian Nutrition Society)**
c/o Nutrition Research and Development Centre, Dr. Sumeru St., Kompleks Gizi, Bogor 16112, Ph. 251/21763.

**CONTACT:** M. Soetedjo, Chairman

**FOUNDED:** 1958

**MEMBERSHIP:** 650 individuals. Nutritionists, agriculturalists, chemists, medical doctors, microbiologists.

**OBJECTIVES AND ACTIVITIES:** To promote better health through better nutrition.

**PUBLICATIONS:** **Gizi Indonesia,** (Nutrition Journal), semi-annually, US$10/year. **Bulletin Gizi,** (Nutrition Bulletin), quarterly, US$12/year.

## ITALY

### ASSOCIAZIONE ITALIANA DELL' INDUSTRIA OLEARIA (ASSITOL) ★

**(Italian Oil Industry Association)**
3, Via del Governo Vecchio, 00186 Rome, Ph. 06/654-3251; TLX: 610552 (ASSIOL I).

**CONTACT:** Giorgio Cilenti, General Director

**FOUNDED:** 1972

**MEMBERSHIP:** Approximately 100 firms involved with olive oil, seed oil, technical oils, refined olive residue oil, margarine, vegetable proteins, semi-raw materials and improvers for the bakery and confectionery industry.

**OBJECTIVES AND ACTIVITIES:** To represent members and their interests.

**PUBLICATIONS:** Bulletin, monthly, for members only.

### FEDERAZIONE ITALIANA DEI CONSORZI AGRARI ★

**(Italian Federation of Farmer Cooperatives)**
3, Via Curtatone, 00100 Rome, Ph. 39/6/4664; TLX: 610010 (FEDIT). U.S. office: 200 Park Ave., Suite 5608, New York, NY 10166, Ph. 212/818-9191; TLX: 64206 (FEDEXPORT USA).

**CONTACT:** Ivo Zucchini, Crop Research Manager (Italy)

**FOUNDED:** 1892

**MEMBERSHIP:** Farmer cooperatives.

## IVORY COAST

### INSTITUT DE RECHERCHE POUR LES HUILES ET OLEAGINEUX (IRHO)

**(Oil and Oil Plants Research Institute)**
Station Principale, De la Me, BP13 Bingerville, Ph. 332661; TLX: 22167.

**CONTACT:** Miss Fatoumata Cisse, Research Assistant

**FOUNDED:** 1945

**MEMBERSHIP:** 600 individuals. Administration — Breeding service — Entomology service. Agronomy and advice — field maintenance. Mill. Documentation.

**OBJECTIVES AND ACTIVITIES:** Improvement of oil palm varieties. Maintenance of oil palm potential. Agronomical aspects, nutrition, pests, diseases, invitro culture.

**PUBLICATIONS:** **Oleagineux,** monthly, FF650 for foreign countries. Annual Report. Research Report.

## JAPAN

### DAIZU KYOKYU ANTEIKYOKAI (SHADANHOZIN) ★

**(Soybean Supply Stabilization Association)**
4 Go., 4 Ban, 1-Chome, Toranomon, Minatoku, Tokyo 105, Ph. 03/591-3879 or 591-3928.

**CONTACT:** Haruhiko Horikawa, President

**FOUNDED:** 1974

**MEMBERSHIP:** 8 national organizations dealing with soybean imports, distribution and processing into oil and soyfoods.

**OBJECTIVES AND ACTIVITIES:** To provide emergency soybean storage and to collect and disseminate information on soybeans and soy products.

**PUBLICATIONS:** **Daizu Geppo** (Soybean Monthly), monthly.

### JAPAN OILSEED PROCESSORS ASSOCIATION ★

Yushi Kogyo Kaikan Bldg., 13-11, 3-Chome, Nihonbashi, Chuo-ku, Tokyo 103, Ph. 03/271-2705.

**CONTACT:** Hiroshi Higashimori, Managing Director

**FOUNDED:** 1962

**MEMBERSHIP:** 31 firms. Japanese oilseed processors.

**OBJECTIVES AND ACTIVITIES:** To protect the interests of members and the industry.

**PUBLICATIONS:** **Wagakuni No Yushijijyo** (Report on Oil and Fats), annually, ¥2,200. **Yushi Geppo** (Report on Oil and Fats), monthly, ¥800.

### NIHON MARGARINE KOGYO-KAI

**(Japan Margarine, Shortening and Lard Industries Association)**

Margarine Kaikan, 27-28 Nihonbashi Hana-cho, 3-Chome, Chuo-ku, Tokyo 103, Ph. 666-6150.

**CONTACT:** Mitsuo Shimura, Managing Director

**FOUNDED:** 1947

**MEMBERSHIP:** 27 firms. Manufacturers of margarine, shortening, refined lard, refined processed oils and fats, fats spreads, etc.

**OBJECTIVES AND ACTIVITIES:** To exchange information; improve production technology and ensure sanitation and safety for edible processed oils and fats; improve distribution of edible processed oils and fats; support research and development; compile statistics and information.

**PUBLICATIONS:** Annual Statistical Report on Edible Processed Oils & Fats, annually, ¥3,400.

### NIHON SHOYU KYOKAI ★

**(The Japan Soy Sauce Brewers' Association)**

No. 11-3, Koami-cho, Nihonbashi, Chuo-ku, Tokyo, Ph. 666-3286.

**CONTACT:** Hiroshi Asai, President or Noboru Arai, General Manager

**FOUNDED:** 1948

**MEMBERSHIP:** 5 firms and 1 organization (representing 2,700 soy sauce manufacturers).

**OBJECTIVES AND ACTIVITIES:** To promote the international soy sauce industry.

### YURYOU YUSHUTSUNYU KYOGIKAI ★

**(The Japan Oil & Fat Importers & Exporters Association — JOFIEA)**

Kyodo Bldg., 6th Floor, (Shin Horidome), No. 10-12, 1-Chome, Nihonbashi Horidome, Chuo-ku, Tokyo 103, Ph. 662-9821.

**CONTACT:** Yuichirou Tsutsui, Chairman

**FOUNDED:** 1951

**MEMBERSHIP:** 22 firms. Importers and exporters of oilseeds, oils and fats.

**OBJECTIVES AND ACTIVITIES:** To coordinate import and export transactions for soybeans, oilbearing seeds and its complex.

**PUBLICATIONS:** **Statistics of Oilseeds, Oils & Oilcakes**, annually, free.

### ZENKOKU MARGARINE SEIZO KYODOKUMIAI ★

**(Japan Margarine Manufacturers Cooperative)**

3-27-8, Nihonbashi Hamacho, Chuo-ku, Tokyo 103, Ph. 03/661-2561.

**CONTACT:** Toshiro Kimura, Executive Director

**FOUNDED:** 1955

**MEMBERSHIP:** 12 firms. Manufacturers of margarine, shortening, refined lard and/or other processed edible oil products.

**OBJECTIVES AND ACTIVITIES:** To arrange joint business transactions (purchases, sales, etc.) and financing for members. To promote and protect the interests of members.

### ZENKOKU TOFU ABURAGE SHOKOKUMIAI RENGOKAI ★

**(Japan Tofu-Fried Tofu Association)**
1-16-12 Ueno, Taito-ku, Tokyo 110, Ph. 03/833-9351.

**CONTACT:** Haruji Bandai, President

**FOUNDED:** 1939

**MEMBERSHIP:** 13,714 individuals (tofu manufacturers) who belong to 46 prefectual tofu associations.

**OBJECTIVES AND ACTIVITIES:** To support the management of member tofu shops through education programs on tofu marketing, including labeling requirements; data collection of tofu industries; cooperative purchase of raw materials, cleaning and distribution of soybeans; tofu and soymilk point of sales promotions.

**PUBLICATIONS:** **Zentoren-Dayori,** monthly, free.

## MEXICO

### ASOCIACION MEXICANA DE ESPECIALISTAS EN NUTRICION ANIMAL ★

**(Mexican Association of Specialists in Animal Nutrition)**
Rio Coatzacoalcos, No. 1, Cuernavaca 62290, Ph. 905/688-6855; TLX: 1776240 or 1760177 (BIOS ME).

**CONTACT:** Francisco Xavier Tirado, D.V.M. Manager

**FOUNDED:** 1973

**MEMBERSHIP:** 400 individuals and 50 firms. D.V.M. agronomists, chemists, animal nutritionists, feed mills, feed additive suppliers, feed mill associations.

**OBJECTIVES AND ACTIVITIES:** To know, study and solve problems related to animal nutrition, increase nutrition research, organize congresses and education programs. To increase communications with foreign associations. To give national recommendations.

**PUBLICATIONS:** **Avances en la Nutricion del Cerdo,** short course proceedings, US$10. **Simposio Sobre Tecnologia de Alimentos,** short course proceedings, US$10. **Proceedings 1979-1983,** US$10.

### ASOCIACION NACIONAL DE ESPECIALISTAS EN CIENCIAS AVICOLAS DE MEXICO A.C. (ANECA) ★

**(National Association of Poultry Science Specialists)**
Hacienda de Canutillo No. 8-4, Col. Villa Quietud, Apartado Postal 22-814, Mexico D.F. 04960, Ph. 559-7836.

**CONTACT:** Bernardo D. Lozano, President

**FOUNDED:** 1975

**MEMBERSHIP:** 400 individuals. Students and persons involved in poultry science.

**OBJECTIVES AND ACTIVITIES:** To study and promote scientific techniques for the Mexican poultry industry.

**PUBLICATIONS:** **AVIRMA,** monthly, US$10/year.

### ASOCIACION NACIONAL DE INDUSTRIALES DE ACEITES Y MANTECAS COMESTIBLES, A.C.

**(National Association of Oil Industries and Edible Fats)**
Praga No. 39, 3° Piso, Mexico D.F. 06600, Ph. 533-2847, 533-2859 or 514-1289; TLX: 1773600 or 1777371 (ANIA ME).

**CONTACT:** Jose Luis Sandoval Luna, Operations Manager

**FOUNDED:** 1958

**MEMBERSHIP:** 40 firms. Mexican industries involved with oil extraction, refining and bottling.

**OBJECTIVES AND ACTIVITIES:** To manage matters related to buying and importing of oilseeds. Works with similar organizations and government in planning for national oilseeds management.

**INSTITUTO MEXICANO DE ACEITES, GRASAS Y PROTEINAS, A.C.** ★
Praga No. 36, 1° Piso, Col. Juarez, Mexico D.F. 06600, Ph. 90/5/514-1077 or 514-1033; TLX: 1761751.

**CONTACT:** Miguel Machuca, General Director

**FOUNDED:** 1984

**MEMBERSHIP:** 40 firms. Companies involved in the processing, refining and merchandising of oilseeds, fats, oils and proteins.

**OBJECTIVES AND ACTIVITIES:** To support the oil and fats industries according to agriculture development, education, technical, financial and communication programs.

## NETHERLANDS

**BOND VAN NEDERLANDSE MARGARINE FABRIKANTEN** ★
**(Association of Dutch Margarine Manufacturers)**
Raamweg 44, P.O. Box 90601, 2509 LP The Hague, Ph. 47/070/468870.

**CONTACT:** Mrs. I. Tiesinga, Secretary General

**FOUNDED:** 1950

**MEMBERSHIP:** 2 individuals; 12 firms. Margarine and/or edible oils and fats producing companies.

**OBJECTIVES AND ACTIVITIES:** To promote the interests of the Dutch margarine industry.

**COMITE EETBAAR PLANTAARDIG EIWIT (CEPE)** ★
**(Edible Vegetable Protein Committee)**
Raamweg 44, 2596 HN The Hague, Ph. 70/468812; TLX: 32616 (OVEMA NL).

**CONTACT:** C.J.M. Meershoek, Secretary

**FOUNDED:** 1976

**MEMBERSHIP:** 11 firms. Companies producing or dealing in vegetable proteins.

**OBJECTIVES AND ACTIVITIES:** To promote the use of vegetable proteins.

**NETHERLANDS OILS, FATS & OILSEEDS TRADE ASSOCIATION (NOFOTA)** ★
Schouwburgplein 30-34, 3012 CL Rotterdam, Ph. 010/400-8222; TLX: 24377 (VDSR).

**CONTACT:** P. W. van Baal, Secretary

**FOUNDED:** 1918

**MEMBERSHIP:** 180 firms. Producers and traders of oils, fats and oilseeds.

**OBJECTIVES AND ACTIVITIES:** To provide arbitration and issue contracts.

**OILS, FATS & OILSEEDS BROKERS' ASSOCIATION (OFOBA)** ★
Schouwburgplein 30-34, 3012 CL Rotterdam, Ph. 010/400-8222; TLX: 24377 (VDSR).

**CONTACT:** P. W. van Baal, Secretary

**FOUNDED:** 1950

**MEMBERSHIP:** 18 firms. Oils, fats and oilseeds brokers.

**OBJECTIVES AND ACTIVITIES:** To promote the interests of members.

**VERENIGING VAN NEDERLANDSE FABRIKANTEN VAN EETBARE OLIEN EN VETTEN (VERNOF)** ★
**(Dutch Seed Crushers and Oil Processors Association)**
Raamweg 44, 2596 HN The Hague, Ph. 31/70/468812; TLX: 32616 (OVEMA NL).

**CONTACT:** C.J.M. Meershoek, Executive Director

**FOUNDED:** 1912

**MEMBERSHIP:** 11 firms. Seed crushers and oil processing companies.

**OBJECTIVES AND ACTIVITIES:** To represent and defend the economic interests of member companies as well as those of the national and international industry.

## NORWAY

### MARGARINFABRIKKENES LANDFORENING

**(Norwegian Association of Margarine Producers)**
Prinsens gt. 21, 0157 Oslo 1, Ph. 02/414457.

**CONTACT:** Per Stormfelt, Secretary General

**FOUNDED:** 1920

**MEMBERSHIP:** 16 firms. Norwegian margarine producers.

## PHILIPPINES

### PHILIPPINE ASSOCIATION OF FEED MILLERS, INC. ★

Maligaya Bldg. III, Rm. 302, 430 E. Rodriguez Sr. Blvd., Cubao, Quezon City, Ph. 721-0906 or 722-2912.

**CONTACT:** Augusto L. de Leon, President

**FOUNDED:** 1951

**MEMBERSHIP:** 11 firms. Manufacturers of animal feeds.

**OBJECTIVES AND ACTIVITIES:** To promote, protect and benefit members' interests. To cooperate with the government to enhance the economic progress and develop the Philippine livestock industry.

## PORTUGAL

### ASSOCIACAO PORTUGUESA DOS INDUSTRIAS DE ALIMENTOS COMPOSTOS PARA ANIMAIS (IACA) ★

**(Portuguese Association of Feed Manufacturers)**
Av. 5 de Outubro. No. 21-2° Esq., 1000 Lisbon, Ph. 351/1/535091; TLX: 42510 (IACA P).

**CONTACT:** Amalia Silva, Secretary

**FOUNDED:** 1975

**MEMBERSHIP:** 2 individuals and 88 firms. Certified feed manufacturers.

**OBJECTIVES AND ACTIVITIES:** To promote feed production; survey markets; provide studies and information on raw materials, animal feed legislation, general economic questions.

**PUBLICATIONS:** **Informacao 1,** twice each month. **Informacao 2,** irregularly.

### INSTITUTO DO AZEITE E PRODUTOS OLEAGINOSOS (IAPO)

**(Olive Oil and Oilseeds Institute)**
Avenida Sidonio Pais, No 10-1°, 1098 Lisbon, Codex, Ph. 563881/5; TLX: 18384 (IAPO P).

**CONTACT:** Antonio Albino Pires de Andrade

**FOUNDED:** 1973

**MEMBERSHIP:** 3 individuals, 1 firm.

**OBJECTIVES AND ACTIVITIES:** Government agency concerned with olive oil and oilseeds production, processing, market development, trade, import.

**PUBLICATIONS:** **Boletim do IAPO,** bi-annually, Esc.500.

## SENEGAL

### INSTITUT DE TECHNOLOGIE ALIMENTAIRE

**(Food Technology Institute)**
Route des Peres, Maristes BP 2765, Dakar, Ph. 220070.

**CONTACT:** Oissmane Kane, Director

**FOUNDED:** 1963

**MEMBERSHIP:** 100 individuals. Teachers, technicians.

**OBJECTIVES AND ACTIVITIES:** To study local agricultural production, food science and technology.

**PUBLICATIONS:** Acquisition lists, monthly. Bulletins.

## SPAIN

### ASOCIACION ESPANOLA DE EXPORTADORES DE ACEITE DE SOJA ★

**(Spanish Soybean Oil Exporters Association)**
Calle Diego de Leon, 34-3° Andar, 28006 Madrid, Ph. 34/1/262-1426 or 262-1431; TLX: 44092 (SOYE E).

**CONTACT:** Georges Laffaille, General Manager

**FOUNDED:** 1981

**MEMBERSHIP:** 6 firms. Oilseed crushers.

**OBJECTIVES AND ACTIVITIES:** To establish a common export policy channeling all export sales through the association and to represent the members before the government.

### ASOCIACION ESPANOLA DE FABRICANTES DE MARGARINA ★

**(Spanish Association of Margarine Manufacturers)**
Apartado 791, 48080 Bilbao, Ph. 34/4/463-4400; TLX: 32737 (AGRASA).

**CONTACT:** F. Javier Herrero-Velarde, President

**FOUNDED:** 1977

**MEMBERSHIP:** 11 firms. Manufacturers of margarines and other edible fats.

**OBJECTIVES AND ACTIVITIES:** To defend the industry's interests within the market structure and in relations and contacts with official bodies.

### CONFEDERACION ESPANOLA DE FABRICANTES DE PIENSOS COMPUESTOS ★

**(Spanish Association of Feed Manufacturers)**
Avenida de Bruselas 38, P.O. Box 20131, 28080 Madrid, Ph. 34/9/1/256-4088; TLX: 27270 (GRUPI).

**CONTACT:** Manuel Gonzalez Mendez, Director

**FOUNDED:** 1978

**MEMBERSHIP:** 350 individuals; 15 firms.

**OBJECTIVES AND ACTIVITIES:** To defend the interests of Spanish feed manufacturers.

## SWEDEN

### FORENINGEN SVENSKA MARGARINTILLVERKARE ★

**(Association of Swedish Margarine Manufacturers)**
P.O. Box 5501, S-11485 Stockholm, Ph. 08/783-8000; TLX: 19990 (SWEDIND S).

**CONTACT:** Goran Holmquist, Director General

**FOUNDED:** 1982

**MEMBERSHIP:** 3 firms. Margarine manufacturers.

### NORDISKT FORUM FOR LIPID FORSKNING OCH TEKNOLOGI (LIPIDFORUM) ★

**(Scandinavian Forum for Lipid Research and Technology)**
c/o SIK, P.O. Box 5401, S-40229 Goteborg, Ph. 0/46/400120; TLX: 21651 (SIK S).

**CONTACT:** Reinhard Marcuse, Secretary General

**FOUNDED:** 1969

**MEMBERSHIP:** Approximately 500 individuals and 100 firms. Individuals, scientific institutions and industrial companies.

**OBJECTIVES AND ACTIVITIES:** To arrange meetings; (1) "Scandinavian Symposia on Lipids", each second year, with broad spectrum programs, alternating in the five Nordic countries, (2) specialized symposia on specific items.

**PUBLICATIONS:** Newsletters, 2 times/year, free to members. Proceedings, for purchase by members and nonmembers; list available.

### SVENSKA LANTMANNENS RIKSFORBUND

**(Swedish Farmers' Supply and Crop Marketing Association)**

P.O. Box 12238, S-10226 Stockholm, Ph. 08/131500; TLX: 19460 (SLR S).

**CONTACT:** Ulf Soderstrom, Director

**FOUNDED:** 1905

**MEMBERSHIP:** 20 regional cooperatives, representing over 8,000 farmers.

**OBJECTIVES AND ACTIVITIES:** Purchasing for the cooperatives, export and import, research and product development and administration of the organizations involvement in the milling, fertilizer and plant breeding industries.

## TAIWAN

### TAIWAN FEED INDUSTRY ASSOCIATION

368 Fu-Hsing South Rd., 9th Floor, Sec. 1, Taipei, Ph. 02/704-9535.

**CONTACT:** Ritmon J. M. Sheu, President

**FOUNDED:** 1966

**MEMBERSHIP:** 113 feed mills and feed traders. Manufacturers of mixed feeds.

**OBJECTIVES AND ACTIVITIES:** To act as liaison between government and members on procurement and production; to coordinate and provide technical and market information to members.

### TAIWAN FOOD INDUSTRY R&D INSTITUTE

233, Shih-Ping Rd., Shin-chu, Ph. 035/223191.

**CONTACT:** Paul Ma, Director

**FOUNDED:** 1965

**MEMBERSHIP:** None

**OBJECTIVES AND ACTIVITIES:** To conduct food research and development programs. To provide technical training and service to the Taiwan food industry as well as some overseas markets as requested.

### TAIWAN SOY SAUCE INDUSTRY ASSOCIATION

24, Pei-Ping East Rd., 4th Floor – 3, Taipei, Ph. 02/341-0739 or 351-7726.

**CONTACT:** M. C. Chang, Secretary General

**FOUNDED:** 1973

**MEMBERSHIP:** Manufacturers of soy sauce, miso and condiments.

**OBJECTIVES AND ACTIVITIES:** To act as liaison between government and members on procurement and production. To coordinate and provide technical and market information to members.

### TAIWAN TOFU ASSOCIATION

9, Lane 133, Tai-Yuan Rd., Taipei, Ph. 02/541-4494.

**CONTACT:** Y. P. Yang, Secretary General

**FOUNDED:** 1954

**MEMBERSHIP:** Manufacturers of tofu, spiced dried tofu and tofu skin or involved in soyfoods production and marketing.

**OBJECTIVES AND ACTIVITIES:** To act as liaison between government and members on procurement and production. To coordinate and provide technical and market information to members.

### TAIWAN VEGETABLE OIL MANUFACTURERS ASSOCIATION

27, Chang-an East Rd., Pai-Fu Bldg., 6th Floor, Sec. 1, Taipei, Ph. 02/561-6351 or 581-5167.

**CONTACT:** Daniel Yang, Secretary General

**FOUNDED:** 1952

**MEMBERSHIP:** 72 oil mills. Manufacturers of soybean oil, soybean meal, peanut oil and salad oil or those involved with vegetable oil refining.

**OBJECTIVES AND ACTIVITIES:** To act as liaison between government and members on procurement and production. To coordinate and provide technical and market information to members.

## TURKEY

### YEM SANAYICILERI BIRLIGI
**(Turkish Feed Association)**
Tuna Caddesi, Halk Sokak 20/7, Yenishehir-Ankara, Ph. 311685 or 312704.

**CONTACT:** I. Dogan Gurbuz, Secretary General

**FOUNDED:** 1974

**MEMBERSHIP:** 121 firms. Feedmillers.

**OBJECTIVES AND ACTIVITIES:** To represent feed manufacturers in all matters of interest to them. Activities include technical congresses.

## YUGOSLAVIA

### POSLOVNA ZAJEDNICA INDUSTRIJE STOCNE HRANE ★
**(Yugoslav Feed Manufacturers Association)**
Gunduliceva 45, P.O. Box 609, 41000 Zagreb, Ph. 38/41/445085 or 442215; TLX: 22411 (PZISH).

**CONTACT:** Krunoslav Kos, D.V.M.

**FOUNDED:** 1955

**MEMBERSHIP:** 102 firms. Feed manufacturers, feed ingredient producers, feed mill equipment manufacturers, trade organizations, agricultural and veterinary school.

**OBJECTIVES AND ACTIVITIES:** To organize conferences, meetings on issues of animal feeding and feed production. To promote international cooperation, trade in feed industry.

**PUBLICATIONS:** **Krmiva** (Review for Animal Feeding and Feed Technology), monthly, DM150/year for Europe, US$85/year for U.S.

## ZAIRE

### CENTRE DE RECHERCHE AGRO-ALIMENTAIRE (CRAAL) ★
**(Agricultural and Food Research Center)**
P.O. Box 54, Lubumbashi, Ph. 22/2558.

**CONTACT:** Nyembo Nkonzi Kalala, Director General

**FOUNDED:** 1982

**MEMBERSHIP:** 59 firms. Food manufacturers.

**OBJECTIVES AND ACTIVITIES:** To conduct applied research in food technology, improvement of traditional food technologies and quality control. To carry out feasibility studies and act as consultant for local food industries and farmers.

## ZIMBABWE

### COMMERCIAL OILSEEDS PRODUCERS' ASSOCIATION
P.O. Box 592, Harare, Ph. 791881; TLX: 2084.

**CONTACT:** George Hutchison, Senior Executive

**FOUNDED:** 1968

**MEMBERSHIP:** 1,000 individuals. Members must belong to the commercial farmers union and grow an oilseed crop such as soybeans, peanuts or sunflowers.

**OBJECTIVES AND ACTIVITIES:** To represent the interests of growers in all aspects of the production and marketing of groundnuts, soybeans and sunflowers. To promote and support research, extension and utilization to ensure the continued development and expansion of the industry.

**PUBLICATIONS:** **Oilseeds Handbook,** updated as necessary, $10.

# soy directory

The Soy Directory lists companies that process and refine soybeans, manufacture edible soy products and soyfoods or produce industrial grade soy products.

Crushers and refiners are listed in Section 1, *Oil Extraction Plants and Refineries.* Where information was provided, company headquarters are identified and locations of plants and factories are given. Soybean crushers are identified by a (P) code. Refineries are identified by an (R).

Listings of crushing and refining facilities include an overview of plant functions: type of processing equipment used (solvent or press), processing and refining capacity and/or average output per day, on-site raw material storage capacity (for beans or crude oil), and resulting products. Modes of available transportation are also noted.

Crushers and refiners that further process soybeans are identified with a code: edible grade soy products or soyfoods (SF), and industrial grade soy products (IP). Companies with SF and IP codes are listed again in Section 2, *Manufacturers of Edible Grade Soy Products & Soyfoods,* and Section 3, *Manufacturers of Industrial Grade Soy Products.* Companies in Sections 2 and 3 are listed by general product category. Brand names are highlighted if provided by the company.

OIL EXTRACTION PLANTS/REFINERIES .............................. 34
MANUFACTURERS OF EDIBLE GRADE SOY PRODUCTS & SOYFOODS .. 66
MANUFACTURERS OF INDUSTRIAL GRADE SOY PRODUCTS ..........101

# Oil Extraction Plants/Refineries

★ Updated listing

## UNITED STATES

### ALABAMA

**BUNGE CORPORATION** (P) ★
1400 Market St., Decatur 35602,
Ph. 205/350-4550. Main office: New York, NY.
**CONTACT:** Jack Thiessen, Dist. Mgr.
**Solvent; soy meal, crude and crude degummed oil. Served by truck, rail and barge.**

**CONTINENTAL GRAIN COMPANY** (P) ★
**Processing Division**
2900 Lake Guntersville Park Dr.,
Guntersville 35976, Ph. 205/582-9924.
Main office: New York, NY.
**CONTACT:** Richard D. Day
**Solvent; crush cap. 1,400MT/day; storage cap. 3,000,000 bu. Soy meal, hulls, crude and crude degummed oil. Served by truck, rail and barge.**

### ARKANSAS

**AG PROCESSING INC** (P) ★
Kibler Rd., P.O. Box 389, Van Buren 72956.
Ph. 501/474-6871; TLX: 750452 (AGP VAN B);
TWX: 910-997-0395. Main office: Omaha, NE.
**CONTACT:** Charlie Riddle, Sr. Merch. or John Nelson, Plant Mgr.
**Solvent; soy meal, hulls, crude oil. Served by truck, rail and barge.**

**ARCHER DANIELS MIDLAND CO.** (P) ★
Foot of E. 9th St., P.O. Box 30,
Little Rock 72203, Ph. 501/372-5621.
Main office: Decatur, IL.
**CONTACT:** Robert Pflaum, Merch. Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**CARGILL, INC.** (P) ★
P.O. Box 528, Osceola 72370, Ph. 501/563-5263.
Main office: Minneapolis, MN.
**CONTACT:** John Doyle
**Solvent.**

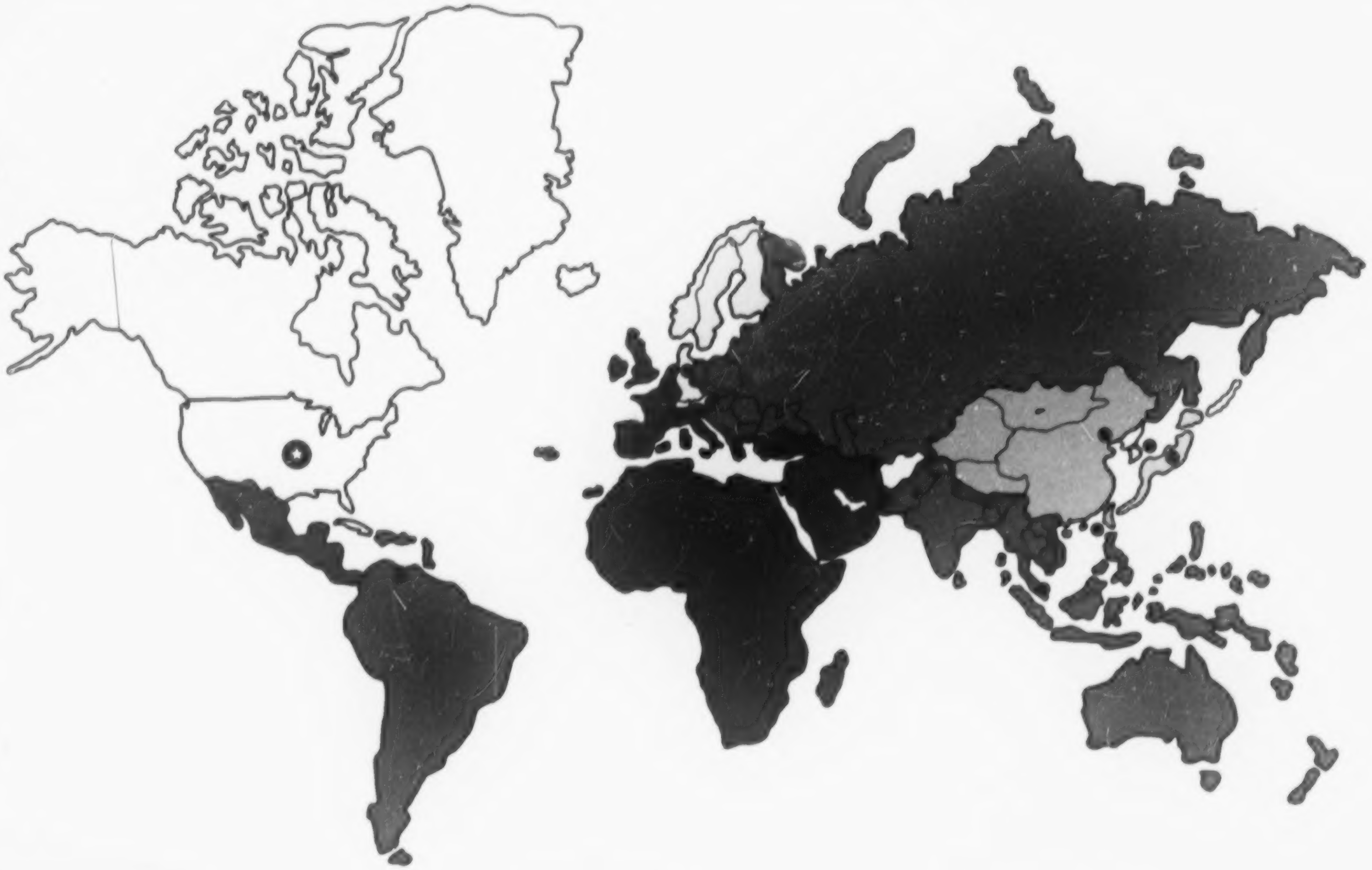
**QUINCY SOYBEAN CO.** (P R SF IP) ★
Hwy. 20 S., P.O. Box 70, Helena 72342,
Ph. 501/338-6481; TLX: 404421 (QCY SOYBEAN). Main office and other plant at Quincy, IL.
**CONTACT:** Richard P. Schuering or Rodney Frazier
**Solvent; soy meal; hulls; crude, crude degummed, once refined, fully refined oil; edible refined oil and lecithin; industrial lecithin and oil; soy sterols and tocopherols; fatty acids. Served by truck, rail and barge.**

**RICELAND FOODS, INC.** (P R SF) ★
2120 S. Park Ave., P.O. Box 926, Stuttgart 72160, Ph. 501/673-5500; TLX: 240064 (RLND UR); TWX: 910-720-6240 (ARK GRAIN CO).
Main office also at Stuttgart, AR.
**CONTACT:** Dorothy Seidenschwarz, VP Soybean Processing or L.H. Dodson, VP Oil Refining
**Solvent; soy meal; hulls; crude, crude degummed, once refined, fully refined and hydrogenated oil; edible refined oil. Served by truck and rail.**

**RICELAND FOODS, INC.** (P R SF IP) ★
MAIN OFFICE: 2120 S. Park Ave., P.O. Box 926, Stuttgart 72160, Ph. 501/673-5500;
TLX: 240064 (RLND UR); TWX: 910-720-6240 (ARK GRAIN CO). Plants at Little Rock and Stuttgart, AR.

**American Soybean Association**

# INTERNATIONAL OFFICES & WORLD REGIONS



■

*Aldo Pontecorvo*
**MEXICO & THE CARIBBEAN BASIN**

Rio Sena No. 26
Col. Cuauhtemoc
Mexico, D.F. 06500
Ph. 566-9490 or 705-1758; TLX: 383-1762261 (SOYA ME)

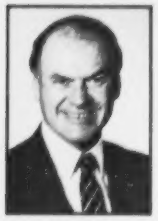
■

*Jose Felix Chavez*
**SOUTH AMERICA**
Centro Plaza, Torre C, Piso 18
Los Palos Grandes
Av. Francisco de Miranda
Caracas 1062, Venezuela
Ph: 283-2399 or 283-7566; TLX: 395-29119 (USATO VC)

□

*Karl Fangauf*
**NORTH EUROPE**

Peizerstrasse 13
2000 Hamburg 1
Federal Republic of Germany
Ph. 330516 or 336783, TLX: 841-2163420 (SOYA D)



■

*Dennis L. Blankenship*
**WEST EUROPE**

Centre International Rogier
Room 2501-2506
Boite 521
1210 Brussels, Belgium
Ph. 217-2075 or 217-9661, TLX: 846-26128 (AMSOYA B)

■

*Lawrence G. Beauregard*
**IBERIA, MIDDLE EAST & AFRICA**

Juan Alvarez Mendizabol
#3, 3
Madrid 28008, Spain
Ph. 242-2900, TLX: 831-46008 (SOYA E)

▨

*Steve Chen*
**TAIWAN**

Kwang-Wu Bldg., Room 603
386 Tun Hua South Rd.
Taipei, Taiwan
Ph. 781-5880 or 781-2110, TLX: 785-19422 (USBEANS)

□

*Kyung Lee*
**KOREA**
Press Center 8th Floor
25, Taepyungro 1-ka
Chung-ku
Seoul, Korea
Ph. 778-9114, TLX: 787-22276 (ASASEL K)

▩

*Steven B. Nemeth*
**EAST EUROPE**

Gatterburggasse 18/2/3
A-1190 Vienna, Austria
Ph. 368218 or 368219, TLX: 847-135132 (AMSOY A)

▨

*Don H. Bushman*
**PEOPLE'S REPUBLIC OF CHINA**

Citic International Building
25th Floor, Room 4
19 Jianguomenwai Street
Beijing, People's Republic of China
Ph. 502-255 (Ext. 2541) TLX: 716-22203 (USCOP CN)

*To be appointed*

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**SOUTHEAST ASIA & SUBCONTINENT**
541 Orchard Rd.
#11-03 Liat Towers
Singapore 0923,
Republic of Singapore
Ph. 737-6233 or 737-6561, TLX: 786-56971 (USSOY RS)

▨

*Lars Wiedermann*
**JAPAN**

Akasaka Tokyu Bldg., 11th Floor
2-14-3, Nagatacho
Chiyoda-ku
Tokyo 100, Japan
Ph. 593-2501 or 593-2502, TLX: 781-28638 (USBEANS J)

# GOVERNMENT TRADING AGENCIES

★ Updated listing

In many countries the importation of soybeans and processed products is conducted or regulated by a government entity. The following are those agencies known by SOYA BLUEBOOK editors to be the exclusive or principal importer of soybeans or soybean products in their appropriate country. For additional information regarding the country of your concern, BLUEBOOK editors suggest contacting the American Soybean Association country director in the appropriate region. (See following map.)

**BANGLADESH** — Bangladesh Sugar and Food Industries Corporation (BSFIC), Shilpa Bhavan, Motijheel C.A., Dhaka-2.
**CONTACT**: Badiul Alam, Director of Marketing
(Importer of crude degummed soy oil; private refineries also import goods.)

**BRAZIL** — Companhia de Financiamento da Producao, Ministerio da Agricultura, Av. W-3 Norte, Quadra 514, Bloco B, 70.760 Brasilia, D.F., Ph. 272-0187; TLX: 061-1110.
**CONTACT**: Francisco Jose Villela Santos, Presidente

★CACEX/DEALI, Banco do Brasil, Av. Rio Branco, 65/Sala 1804, 20091 Centro, RJ.
**CONTACT**: Alencar D'Avila Magalhaes

★INTERBRAS, Rua 1º de Marco, 23/4º, 20010 Rio de Janeiro, RJ.
**CONTACT**: Gunther Heinrich Hennies

**CHINA** (People's Republic of China) — Ministry of Foreign Trade, Beijing.

**COLOMBIA** — ★IDEMA, Carrera 10, No. 16-82, Bogota, D.E., 283-3084.
**CONTACT**: General Manager

**COSTA RICA** — Consejo Nacional de Produccion (CNP), Apartado 2205, San Jose, Ph. 23-6033.
**CONTACT**: Horacio Zuniga, General Manager
(Importer of soybeans.)

**ECUADOR** — ★Empresa Nacional de Almacenamiento y Comercializacion (ENAC), Av. Eloy Alfaro y Amazonas, Edificio MAG — 2do. Piso, Quito.
(Import/export, domestic crop support, whole crop marketing.)

★Empresa Nacional de Productos Vitales (ENPROVIT), Av. Eloy Alfaro y Amazonas, Edificio MAG — 3er. Piso, Quito.
(Import/export retail marketing.)

**EGYPT** — General Authority for Supply Commodities, 24 Gomhoria Street, Cairo, Ph. 937175; TLX: 2062.
**CONTACT**: Ministry of Supply and Home Trade
(Importer of soy oil; soy meal and whole beans are purchased by the private sector.)

**GERMAN DEMOCRATIC REPUBLIC** (East Germany) — Nahrung Export-Import, DDR 1020 Berlin, Schicklerstr 7, Berlin, Ph. 21480; TLX: 114893.
**CONTACT**: Manfred Wolf, General Director
(Sole importer of soybeans and soybean products.)

**INDIA** — State Trading Corporation of India, Ltd., Chandrolok 36 Janpeth, New Delhi 110001, Ph. 322204; TLX: ND 2167-68-3057; CABLE: ESTICI.

**INDONESIA** — ★BULOG (National Logistic Agency), Jalan Jenderal Gatot Subroto Kav. 49, Jakarta, Ph. 512209; TLX: 79644303.
**CONTACT**: Bustanil Arifin, Chairman or Sukriya Atmaja, Vice Chairman

P.T. WOTRACO (P.T. Berdikari Group), Jalan Hayam Wuruk 103-104, Jakarta Barat, Ph. 636633 or 634455; TLX: 41311 (BERDIK IA).
**CONTACT**: H. Ahmad Nurhani, Vice President
(Domestic distribution of soybeans.)

**IRAQ** — State Enterprise for Vegetable Oils, P.O. Box 2378, Baghdad, Ph. 95171; TLX: 2221.
**CONTACT**: Jaffer Saber, Director General
(Importer of soybean oil.)

State Establishment for Feed, P.O. Box 17, New Baghdad, Ph. 4531; TLX: 212345.
**CONTACT**: H. Al Saidi, Director General
(Importer of soybean meal.)

— Raw soybeans are purchased by the private sector —

**ISRAEL** — ★Israeli Buying Mission, 800 Second Ave., New York, NY 10017, U.S.A.
(Central buying office, however, companies in Israel are able to purchase soybeans and soybean products privately.)

**KENYA** — National Cereals and Produce Board, P.O. Box 30586, Nairobi, Ph. 555288/555708; TLX: 22769 (MARKETER).
**CONTACT**: William K. A. Kikwai, Managing Director

**KOREA** — Office of Supply for Republic of Korea, 48-26 Eui-Dong, Chongro-ku, Seoul, Ph. 764-0713; TLX: 23703 (OSROK).
**CONTACT**: Chong Seok Yoo, Director of Foreign Affairs
(Soybeans, government stock only.)

Agriculture and Fishery Development Corporation, 65-228 Hankang-ru 3 Ka, Yongsan-ku, C.P.O. Box 3212, Seoul, Ph. 794-2027; TLX: 23297 (AAFDC K).
**CONTACT**: Yong Kyun Cho, Director of Trading
(Bean sprouts.)

Korea Soybean Curd Cooperative Federation, 198-1 Kwanhoon-Dong, Chongru-ku, Seoul, Ph. 725-6763, 722-1720 or 725-7273.
**CONTACT**: Jung Rak Kim, President
(Tofu.)

Korea Feed Association, 6-1 Namdaemoonro 5-ka, Chung-ku, C.P.O. Box 3473, Seoul, Ph. 777-7686; TLX: 22835 (KOFEED K).
**CONTACT**: Man Kyu Lee, Business Manager
(Feed.)

**MEXICO** — ★CONASUPO, Avenida Juarez 92, Decimo Piso, Colonia Centro Cuauhtemoc, 06049 Mexico D.F., Ph. 518-6180 or 521-0701; TLX: 1772552 or 1776318 (CONAME).
**CONTACT**: C.P. Alberto Peniche Cerezo, Director de Comercializacion Agropecuaria (Purchaser of oilseeds for CONASUPO use.)
(As of February 1985, oilseeds for private crush are imported by private oilseed associations or individual private oilseed mills.)

**MOROCCO** — Service de Industries Alimentaires, Direction de l'Industrie, Minister de l'Industrie, Rabat.
**CONTACT**: Dir. General.

**NIGERIA** — Ministry of Agriculture & Natural Resources, P.M.B. 2038, Makurdi, Benue State.
**CONTACT**: Chief Agricultural Officer

Federal Department of Agriculture, 17/27 Moloney Street, P.M.B. 2613, Lagos, Ph. 632601 or 632231; CABLE: FEDAG Lagos.
**CONTACT**: C. C. Anojulu, Director

**PANAMA** — Instituto de Mercadeo Agropecuario (IMA), Apartado 5638, Panama 2, Ph. 61-1602.
**CONTACT**: Jose Barrios
(Importer of soybeans.)

**PERU** — ENCI, Casilla 1834, Lima 1, Ph. 622696; TLX: 20031, 25044 and 25449 (PE ENCI); CABLE: ENCIPERU.
**CONTACT**: Gerente de Importaciones
(Sole importer of soybeans and edible vegetable oils.)

**PHILIPPINES** — National Food Authority, Martimyas Bld., E. Rodriguez Ave., Quezon City, Manila, Ph. 626127, TLX: 74242007 (NGA PM).
**CONTACT**: Ricardo Mercado, Director/International Marketing
(Sole importer of soybeans and soybean meal. Soybean oil and other soybean products are purchased by the private sector.)

**POLAND** — ★ROLIMPEX, ul. Chalubinskiego 8, P.O. Box 364, Warsaw 00-613, Ph. 30-0633; TLX: 813341.
**CONTACT**: Jan Giedwidz, Mgr. Dir. or Wlodzimierz Czapiga, Oilseeds & Products Dir.
(Sole importer of soybeans and soybean products.)

**PORTUGAL** — Instituto do Azeite e Productos Oleaginosos (IAPO), Avenida Sidonio Pais, 10-2°, 1000 Lisboa. (Importer of oilseeds and products, not an import monopoly, but is a buying entity.)

**SAUDI ARABIA** — Grain Silos and Flour Mills Organization, P.O. Box 3402, Riyadh, Ph. 405-9152; TLX: 202580 (SAWANE SJ).
**CONTACT**: Ahmed Shinarwi, Dir. General
(Principal importer of soybean meal; also owner of 5 feed mills.)

**SOUTH AFRICA** — ★Oilseeds Control Board, P.O. Box 211, Pretoria 0001, Ph. 323-5641; TLX: 5320894 or 5321346.
**CONTACT**: General Manager

**SWITZERLAND** — ★Fiduciary Office of the Swiss Foodstuff Importers, Bubenbergplatz 5, P.O. Box 1870, CH-3001 Berne, Ph. 22-0561; TLX: 911956 (TSL).
**CONTACT**: Charles Parisod, Managing Director
(Organization for compulsory stocks of fats and oils in Switzerland; Importer of soybeans and soybean oil.)

**SYRIA** — Foreign Trade Organization for Chemicals and Foodstuffs (GEZA), P.O. Box 893, Damascus, Ph. 228521; TLX: 411009.
**CONTACT**: Mrs. Ilfat Haman, Dir., Vegetable Oil Department
(Importer of soybean oil.)

General Organization for Fodder, P.O. Box 4797, Damasus, Ph. 221893; TLX: 411089.
**CONTACT**: Adnan Sabri, Dir. General
(Importer of soybean meal.)

—Raw soybeans are purchased by the private sector—

**TANZANIA** — National Milling Corporation, P.O. Box 9502, Dar es Salaam.
**CONTACT**: General Manager

**TUNISIA** — ★Union Tunisienne Industrie du Commerce et de l'Artisanat (UTICA), 103, Avenue de la Liberte, 1002 Tunis.
**CONTACT**: Abdelkader Chaouch, President

★Office des Cereales, 30, rue Alain Savary, 1002 Tunis.
**CONTACT**: Abderrazak El Adab, President Director General
(Importer and exporter of cereal products.)

★Institut National de Nutrition & Technologie Alimentaire, Rue Aristide Briand, 1006 Bab Saadoun, Tunis.
**CONTACT**: Zouheir Kallel, Director

★Office des Terres Domaniales (OTD), 43, rue d'Iran, 1002 Tunis.
**CONTACT**: Bechir Ben Ismail, President Director General

★Office of Livestock and Pastures (OEP), 30, rue Alain Savary, 1002 Tunis.
**CONTACT**: Habib Najjar, President Director General

★Ministry of Agriculture, 30, rue Alain Savary, 1002 Tunis.
**CONTACT**: Mohsen Boujbel, Director of Statistics and Economic Analyses

★Societe Tuniso-Koweitienne des Indutries Agro-Alimentaries (STKIAA), 37 rue du Niger, 1002 Tunis.
**CONTACT**: Abdelaziz Mathari

★Banque National de Developpement Agricole, 3, rue Jugurtha, 1002 Tunis.
**CONTACT**: Ferid Mokhtar, President Director General

**U.S.S.R.** — ★V/O Exportkhleb (PRODSYRIO), 23-34 Smolenskaya-Sennaya Pl., Moscow 121200, Ph. 244-47-01; TLX: 411145 or 411147.
**CONTACT**: V.K. Mishin, Director
(Sole importer of soybeans.)

**ZAMBIA** — Nam Board, P.O. Box 122, Lusaka.
**CONTACT**: General Manager.

**ZIMBABWE** — ★Grain Marketing Board, P.O. Box 8014, Causeway, Harare, Ph. 795681; TLX: 2336.

In the following countries and countries not otherwise listed, soybeans and soybean products are traded in the private sector: Australia, Belgium, Finland, France, Greece, Hong Kong, Israel, Italy, Jordan, Lebanon, Luxembourg, Netherlands, Sweden.

**CONTACT:** Dorothy Seidenschwarz, VP
Soybean Processing
Soy meal; hulls; crude, crude degummed, once refined, fully refined and hydrogenated oil; lecithin; shortening and cooking/salad oil; industrial soy oil.

### CALIFORNIA

**CALIFORNIA FATS & OILS, INC.** (P R)
1145 Harbour Way South, Richmond 94804,
Ph. 415/233-7660; TLX: 335453 (CFOINC RCMD). Other plant at San Francisco, CA.
**CONTACT:** W.D. Bartels, VP Mfg. & Operations
Solvent; crush cap. 235MT/day; storage cap. 2,500MT. Refining cap. 130MT/day; storage cap. 10,000MT. Soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oil. Served by truck, rail, barge and ship.

**CENTRAL VALLEY VEGETABLE OILS** (P SF)★
2838 Leonis Blvd., Los Angeles 90058,
Ph. 213/587-5952; TLX: 691556 (PROIN LSA).
**CONTACT:** Jaime Ruiz
Continuous screw press; crude oil, animal/livestock feed and margarine.

**WY KY FOOD PRODUCTS INC.** (P SF)
237 San Fernando Rd., Los Angeles, CA 90031,
Ph. 213/222-0779.
**CONTACT:** Ming Man Yook, Pres.
Continuous screw and hydraulic press; crush cap. 40 bu/day; storage cap. 1,000 bu. Soy meal, soyfoods. Served by truck.

### CONNECTICUT

**QUALITY FOOD OILS, INC.** (R SF)★
87 Picket District Rd., New Milford 06811,
Ph. 203/355-9421; TLX: 4973218.
**CONTACT:** Anthony Capizzi
Storage cap. 180,000 gal Fully refined and cooking/salad oil. Served by rail.

### DELAWARE

**TOWNSENDS, INC.** (P R SF IP)★
Route 24 E., P.O. Box 468, Millsboro 19966,
Ph. 302/934-3015.
**CONTACT:** Seth Taylor, Merch. Mgr.
Solvent; crush cap. 1,100MT/day; storage cap. 5,360,000 bu. Refining cap. 325MT/day; storage cap. 2,575MT. Soy meal; hulls; crude, crude degummed, fully refined oil; edible refined oil; cooking/salad oil; industrial oil. Served by truck and rail.

### GEORGIA

**ARCHER DANIELS MIDLAND CO.** (P)★
960 Molly Pond Rd., P.O. Box 729,
Augusta 30903, Ph. 404/724-2330. Main office: Decatur, IL.
**CONTACT:** Royce Wilkins, Merch. Mgr.
Solvent; soy meal, hulls and crude oil. Served by truck and rail.

**ARCHER DANIELS MIDLAND CO.** (R SF)★
1265 6th St., P.O. Box 1603, Macon 31297,
Ph. 912/743-9571. Main office: Decatur, IL.
**CONTACT:** James Stowell (217/424-5200)
Crude, once refined, fully refined and hydrogenated oil; edible refined oil; shortening and cooking/salad oil. Served by truck and rail.

**CARGILL, INC.** (P R)★
949 Ridge Rd., P.O. Box 1298,
Gainesville 30501, Ph. 404/535-3100.
Main office: Minneapolis, MN.
**CONTACT:** Wayne Tiddy
Solvent; fully refined and hydrogenated oil.

**GOLD KIST INC.** (P)★
MAIN OFFICE: P.O. Box 2210, Atlanta 30301,
Ph. 404/393-5000. Plant at: Valdosta, GA.

**GOLD KIST INC.** (P)★
P.O. Box 1589, Valdosta 31601, Ph 912/242-0100.
Main office: Atlanta, GA.
**CONTACT:** Marshall Smitherman, Div. Mgr.
Solvent; crush cap. 1,700MT/day; storage cap. 6,000,000 bu. Soy meal, hulls, and crude oil. Served by truck and rail.

### ILLINOIS

**ARCHER DANIELS MIDLAND CO.** (P)★
Wilbur Heights Rd., P.O. Box 68,
Champaign 61820, Ph. 217/398-3700.
Main office: Decatur, IL.
**CONTACT:** Mike Kerber, Merch. Mgr.
Solvent; soy meal, hulls and crude oil. Served by truck and rail.

**ARCHER DANIELS MIDLAND CO.** (P R SF IP)★
MAIN OFFICE: 4666 Faries Pkwy., P.O. Box 1470,
Decatur, IL 62525, Ph. 217/424-5200; TLX: 250121 (ADM CO DTR); TWX: 910-243-0698 (ADM DECATUR). Plants at: Little Rock, AR; Augusta, GA; Champaign, Decatur, Galesburg, Granite City, and Taylorville, IL; Frankfort, IN; Des Moines IA; Fredonia, KS; Mankato, MN; Clarksdale, MS; Mexico and North Kansas City, MO; Fremont and Lincoln, NE; Fostoria, OH; Kershaw, SC.
**CONTACT:** Charles Bayless, Pres. Soybean Div.

**ARCHER DANIELS MIDLAND CO.** (P R SF IP)★
4666 Faries Pkwy., P.O. Box 1470,
Decatur 62525, Ph. 217/424-5200.
Main office also at Decatur, IL.
**CONTACT:** Bill Camp (meal & hulls), Jim Rieman or James Stowell (oil).
Solvent; soy meal, hulls, crude, crude degummed, once refined, fully refined and hydrogenated oil; white flakes for edible purposes; lecithin; concentrates: simulated meat products; flour; grits; edible refined oil; margarine, shortening, cooking/salad oil, salad dressing; industrial lecithin, flour and oil. Served by truck and rail.

**ARCHER DANIELS MIDLAND CO.** (P)★
1021 S. Henderson, P.O. Box 711,
Galesburg 61401, Ph. 309/343-1155.
Main office: Decatur, IL.
**CONTACT:** Dan Larson, Merch. Mgr.
Solvent; soy meal, hulls and crude oil. Served by truck and rail.

**ARCHER DANIELS MIDLAND CO.** (P) ★
3601 Cargill Rd., Granite City 62040,
Ph. 618/451-2220. Main office: Decatur, IL.
**CONTACT:** Art Hrbek, Merch. Mgr.
Solvent; soy meal, hulls and crude oil. Served by truck and rail.

**ARCHER DANIELS MIDLAND CO.** (P) ★
P.O. Box 388, Taylorville 62568,
Ph. 217/824-3385. Main office: Decatur, IL.
**CONTACT:** Pat Schroder, Merch. Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.

**BUNGE CORPORATION** (P) ★
P.O. Box 113, Cairo 62914, Ph. 618/734-4141.
Main office: New York, NY.
**CONTACT:** Claude Rose, District Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck, rail and barge.

**BUNGE EDIBLE OIL CORPORATION** (R SF) ★
MAIN OFFICE: 725 N. Kinze Ave., P.O. Box 192,
Kankakee 60901, Ph. 815/933-0600;
TLX: 0640059 (BBA). Plants at: Bradley, IL;
Chattanooga, TN; Fort Worth, TX.
**CONTACT:** Thomas Pfendler, VP

**BUNGE EDIBLE OIL CORPORATION** (R SF) ★
Route 50, Bradley 60915, Ph. 815/939-3631.
Main office: Kankakee, IL.
**CONTACT:** J. W. Mickle
Fully refined and hydrogenated oil; margarine, shortening and cooking/salad oil.

**CARGILL, INC.** (P SF IP) ★
P.O. Box 3428, Bloomington 61702,
Ph. 309/827-7100. Main office: Minneapolis, MN.
**CONTACT:** Dave Cyrus
Solvent; soy grits, industrial soy flour/soy protein and industrial soy oil.

**CARGILL, INC.** (R) ★
122nd St. and Torrence Ave., Chicago 60617,
Ph. 312/855-2914. Main office: Minneapolis, MN.
Industrial oil products.

**CENTRAL SOYA COMPANY, INC.** (P SF IP) ★
Routes 47 & 9, Box 112, Gibson City 60936,
Ph. 217/784-8261. Main office: Fort Wayne, IN.
**CONTACT:** Gary Hammond
Solvent; soy meal, hulls, crude degummed oil, lecithin, soy concentrates, soy flour and industrial lecithin. Served by truck and rail.

**LAUHOFF GRAIN COMPANY** (P SF) ★
**Div. of Bunge Corporation**
P.O. Box 571, Danville 61834,
Ph. 217/442-1800; TLX: 404465 (LAUHOFF GR DAN); TWX: 910-244-1453 (LAUHOFFGRAIN).
**CONTACT:** Robert Linn
Solvent; crush cap. 3,000MT/day; soy meal, crude oil, soy flour, soy grits. Served by truck and rail.

**QUINCY SOYBEAN CO.** (P) ★
1900 Gardner Expwy., P.O. Box 329,
Quincy 62306-0329, Ph. 217/224-1800;
TLX: 404421 (QCY SOYBEAN).
Main office also at Quincy, IL.
**CONTACT:** Terry A. Cobb
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck, rail and barge.

**QUINCY SOYBEAN CO.** (P R SF IP) ★
MAIN OFFICE: 1900 Gardner Expressway, P.O. Box 329, Quincy 62306-0329, Ph. 217/224-1800; TLX: 404421 (QCY SOYBEAN). Plants at Quincy, IL and Helena, AR.

### INDIANA

**ARCHER DANIELS MIDLAND CO.** (P) ★
Blinn Rd., P.O. Box 249, Frankfort 46041,
Ph. 317/654-5824. Main office: Decatur, IL.
**CONTACT:** Dave Marshall, Merch. Mgr.
Solvent; soy meal, hulls and crude oil. Served by truck and rail.

**CARGILL, INC.** (P SF IP) ★
P.O. 119, Lafayette 47902,
Ph. 317/423-1511. Main office: Minneapolis, MN.
**CONTACT:** Paul Hiemenz
Solvent; soy grits, industrial soy flour/soy protein and industrial soy oil.

**CENTRAL SOYA COMPANY, INC.** (P R SF) ★
1200 N. Second St., P.O. Box 1002,
Decatur 46733-5002, Ph. 219/724-2101;
TLX: 6711149 (CENSOY UW). Main office: Fort Wayne, IN.
**CONTACT:** Jeff Fritz (219/724-2101) or Gary Chenoweth (219/425-5609)
Solvent; soy meal, hulls, crude, crude degummed, fully refined and hydrogenated oil; edible refined oil and lecithin. Served by truck and rail.

**CENTRAL SOYA COMPANY, INC.** (P R SF IP) ★
MAIN OFFICE: 1300 Fort Wayne Bank Bldg., P.O. Box 1400, Fort Wayne IN 46801-1400, Ph. 219/425-5100; TLX: 276170 (CENSOYA FWA A). Plants at: Decatur & Indianapolis, IN; Gibson City, IL; Marion, Delphos & Bellevue, OH; Chattanooga, TN; Utrecht, NETHERLANDS; Toronto, CANADA.

**CENTRAL SOYA COMPANY, INC.** (P) ★
1160 W. 18th St., P.O. Box 44570,
Indianapolis 46244, Ph. 317/632-8441;
Main office: Fort Wayne IN.
**CONTACT:** Gordon Denny
Solvent; soy meal, hulls and crude oil. Served by truck and rail.

### IOWA

**AG PROCESSING INC** (P) ★
N. Commercial St., Eagle Grove 50533,
Ph. 515/448-4711; TLX: 467762 (AGP EG).
Main office: Omaha, NE.
**CONTACT:** Terry McClatchey, Merch. Mgr. or Phil Huffman, Plant Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.

**AG PROCESSING INC** (P) ★
P.O. Box 187, Manning 51455,
Ph. 712/653-3985. Main office: Omaha, NE.
**CONTACT:** Rich Lee, Merch. Mgr. or Mark Craigmile, Plant Mgr.
Solvent; soy meal, hulls and crude oil. Served by truck and rail.

**AG PROCESSING INC** (P) ★
1605 19th St., SW, P.O. Box 1338,
Mason City 50401, Ph. 515/423-4733.
Main office: Omaha, NE.
**CONTACT:** Jerry Moyer, Merch. Mgr. or Ken Gerdes, Plant Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck, rail and barge.**

**AG PROCESSING INC** (P) ★
Port Neal Industrial Area, P.O. Box 200,
Sergeant Bluff 51054. Ph. 712/943-4282; TLX: 750450 (BOONE SB); TWX: 910-997-0393.
Main office: Omaha, NE.
**CONTACT:** Chuck McCauley, Merch. Mgr. or Mel Holder, Plant Mgr.
**Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck, rail and barge.**

**AG PROCESSING INC** (P) ★
804 Second Ave., P.O. Box 220, Sheldon 51201.
Ph. 712/324-2531. Main office: Omaha, NE.
**CONTACT:** Oscar Benson, Merch. Mgr. or Dave Nestor, Plant Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck, rail and barge.**

**ARCHER DANIELS MIDLAND CO.** (P R SF) ★
1935 N. Euclid, Des Moines 50316,
Ph. 515/263-3250. Main office: Decatur, IL.
**CONTACT:** Paul Niehaus, Merch. Mgr. (515/263-3250) or James Stowell (217/424-5200)
**Solvent; soy meal, hulls, crude, crude degummed, once refined, fully refined and hydrogenated oil; edible refined oil. Served by truck and rail.**

**CARGILL, INC.** (P SF IP) ★
411 6th St. NE, P.O. Box 1748,
Cedar Rapids 52406, Ph. 319/399-4000.
Main office: Minneapolis, MN.
**CONTACT:** Jim Bohlander
**Solvent; soy flour, grits and industrial soy flour/soy protein.**

**CARGILL, INC.** (P R) ★
3030 SE Granger, P.O. Box 1636,
Des Moines 50306, Ph. 515/263-3115.
Main office: Minneapolis, MN.
**CONTACT:** John Bill
**Solvent; fully refined oil.**

**CARGILL, INC.** (P) ★
P.O. Box 788, Iowa Falls 50126,
Ph. 515/648-2591. Main office, Minneapolis, MN.
**CONTACT:** Ted Williams
**Solvent.**

**CARGILL, INC.** (P R) ★
980 Clark St., Sioux City 51102,
Ph. 712/279-1200. Main office: Minneapolis, MN.
**CONTACT:** Bill Matson
**Solvent; fully refined and hydrogenated oil.**

**WEST CENTRAL COOPERATIVE** (P) ★
West Main St., P.O. Box 68, Ralston 51459,
Ph. 712/667-3200.
**CONTACT:** Art Johnston, Feed/Soy Products Mgr.
**Continuous screw press; storage cap. 8,000,000 bu. Soy meal, animal/livestock feed, crude oil. Served by truck and rail.**

### KANSAS

**ARCHER DANIELS MIDLAND CO.** (P) ★
209 W. Adams St., P.O. Box 558,
Fredonia 66736, Ph. 316/378-2103.
Main office: Decatur, IL.
**CONTACT:** Kirk Hartnett, Merch. Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**BUNGE CORPORATION** (P) ★
E. 5th Ave., P.O. Box 518, Emporia 66801,
Ph. 316/342-7270. Main office: New York, NY.
**CONTACT:** Tom Schmitt, Dist. Mgr.
**Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.**

**CARGILL, INC.** (P R) ★
1501 N. Mosley, Wichita 67214,
Ph. 316/267-8800. Main office: Minneapolis, MN.
**CONTACT:** Doug Debelak
**Solvent; fully refined and hydrogenated oil.**

**PRODUCERS COOPERATIVE ASSOCIATION** (P) ★
Foot of Buffalo St., P.O. Box 265, Girard 66743,
Ph. 316/724-8241.
**CONTACT:** John W. Minor, Gen. Mgr.
**Continuous screw press; storage cap. 650,000 bu. Soy meal and crude oil. Served by truck and rail.**

### KENTUCKY

**CARGILL, INC.** (P) ★
2441 Floyd St., S., Louisville 40217,
Ph. 502/637-4761. Main office: Minneapolis, MN.
**CONTACT:** Martin Dudley
**Solvent.**

### LOUISIANA

**BUNGE CORPORATION** (P) ★
River Rd., Destrehan 70047, Ph. 504/466-5300.
Main office: New York, NY.
**CONTACT:** Frank Miller, Plant Mgr.
**Solvent; soy meal, crude and crude degummed oil. Served by truck, rail, barge and ship.**

### MARYLAND

**PERDUE INC.** (P R SF) ★
MAIN OFFICE: P.O. Box 1537, Salisbury 21801,
Ph. 301/543-3000; TWX: 710-864-7035 (PB SBY). Other plant at Cofield, NC.
**CONTACT:** Bill Bohon or Keith Darby
**Solvent; crush cap. 900MT/day; storage cap. 5,000,000 bu. Refining cap. 325MT/day; storage cap. 910MT. Soy meal, hulls, animal/livestock feed, crude, once refined, fully refined and hydrogenated oil; edible refined oil. Served by truck, rail and barge.**

### MINNESOTA

**AG PROCESSING INC** (P) ★
P.O. Box BB, Dawson 56232. Ph. 612/769-4386.
Main office: Omaha, NE.

**CONTACT:** Lenny Miller, Merch. Mgr. or Marvin Zugmier, Plant Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**ARCHER DANIELS MIDLAND CO.** (P) ★
3rd & Harper Sts., P.O. Box 728,
Mankato 56001, Ph. 507/625-7947.
Main office: Decatur, IL.
**CONTACT:** John Rice, Merch. Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**CARGILL, INC.** (P) ★
P.O. Box 1139, Burnsville 55337,
Ph. 612/894-3190. Main office: Minneapolis, MN.
**CONTACT:** Ron Scarborough
**Solvent.**

**CARGILL, INC.** (P R SF IP) ★
MAIN OFFICE: P.O. Box 9300, Minneapolis 55440, Ph. 612/475-6102. TLX: 290794. Plants at: Osceola, AR; Gainesville, GA; Bloomington and Chicago, IL; Lafayette, IN; Cedar Rapids, Des Moines, Iowa Falls and Sioux City, IA; Wichita, KS; Louisville, KY; Burnsville, MN; Kansas City, MO; Fayetteville and Raleigh, NC; Sidney, OH; Hartsville, SC; Memphis, TN; Chesapeake, VA.
**CONTACT:** Thomas Palmby

**HONEYMEAD PRODUCTS CO.** (P R SF IP) ★
720 Minneopa Rd., P.O. Box 3247,
Mankato 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO).
Other plant at Fridley, MN.
**CONTACT:** Wayne Umhoefer (507/345-2221) or Dave Schostag (507/345-2251).
**Solvent; crush cap. 2,400MT/day; storage cap. 3,000,000 bu. Refining cap. 680MT/day; storage cap. 8,000MT. Soy meal, hulls, animal/livestock feed; white flakes for edible purposes; once refined, fully refined and hydrogenated oil; lecithin; soy flour; edible refined oil; margarine, shortening, cooking/salad oil and salad dressing; industrial lecithin, soy flour and soy oil; soy sterols and tocopherols; soybean fatty acids. Served by truck and rail.**

MISSISSIPPI

**BUNGE CORPORATION** (P) ★
P.O. Box 1410, Jackson 39205,
Ph. 601/948-5880. Main office: New York, NY.
**CONTACT:** Jim Brady
**Solvent; soy meal, crude and crude degummed oil. Served by truck and rail.**

**BUNGE CORPORATION** (P) ★
520 Cherry St., Marks 38646, Ph. 601/326-2411.
Main office: New York, NY.
**CONTACT:** Dick Farmer, District Mgr.
**Solvent; soy meal, crude and crude degummed oil. Served by truck and rail.**

**BUNGE CORPORATION** (P) ★
P.O. Box 1378, Vicksburg 39180,
Ph. 601/326-2411. Main office: New York, NY.
**CONTACT:** Brent Harper, Dist. Mgr.
**Solvent; soy meal, crude and crude degummed oil. Served by truck, rail and barge.**

**SOUTHERN COTTON OIL** (P) ★
**Affiliate of Archer Daniels Midland Co., Decatur, IL**
Lyon Rd., P.O. Box 10, Clarksdale 38614,
Ph. 601/627-9241. Main office: Decatur, IL.
**CONTACT:** Tommy Sims, Merch. Mgr.
**Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.**

MISSOURI

**AG PROCESSING INC** (P R SF) ★
900 Lower Lake Rd., P.O. Box 427,
St. Joseph 64502. Ph. 816/238-1700.
Main office: Omaha, NE.
**CONTACT:** Doug Forsberg, Merch. Mgr. or Mike Turpin, Plant Mgr.
**Solvent; soy meal; hulls; crude, crude degummed, once refined and fully refined oil; white flakes for edible purposes; soy flour; grits; edible refined oil; cooking/salad oil. Served by truck, rail and barge.**

**ARCHER DANIELS MIDLAND CO.** (P) ★
400 E. Holt St., P.O. Box 797, Mexico 65256,
Ph. 314/581-4195. Main office: Decatur, IL.
**CONTACT:** Robert Redmon, Merch. Mgr.
**Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.**

**ARCHER DANIELS MIDLAND CO.** (P) ★
200 W. 19th Ave., P.O. Box 12567,
N. Kansas City 64116, Ph. 816/221-2117.
Main office: Decatur, IL.
**CONTACT:** Everett Fletcher, Merch. Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**CARGILL, INC.** (P) ★
2306 Rochester Ave., P.O. Box 33413,
Kansas City 64120, Ph. 816/245-0500.
Main office: Minneapolis, MN.
**CONTACT:** Tom Charette
**Solvent.**

NEBRASKA

**AG PROCESSING INC** (P R SF IP) ★
MAIN OFFICE: 11235 Davenport St., Omaha 68154, Ph. 402/334-8010; TLX: 750447 (AGP OMA); TWX: 910-997-0390. Plants at Van Buren, AR; Eagle Grove, Manning, Mason City, Sergeant Bluff and Sheldon, IA; Dawson, MN; St. Joseph, MO.
**CONTACT:** Jim Lindsay, Gen. Mgr.; Tony Porter, Merch. & Trans.; Jim Yeates, Plant Op.; Joe Meyer, Veg. Oil Sales & Exports.

**ARCHER DANIELS MIDLAND CO.** (P) ★
130 N. Broad St., Drawer D. Fremont 68025,
Ph. 402/721-5670. Main office: Decatur, IL.
**CONTACT:** James Hansen, Merch. Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**ARCHER DANIELS MIDLAND CO.** (P R SF) ★
78th & Thayer, P.O. Box 29268, Havelock Sta., Lincoln 68529, Ph. 402/464-9131. Main office: Decatur, IL.

**CONTACT:** Randy Neumayer, Merch. Mgr. (402/464-9131) or James Stowell (217/424-5200)
**Solvent; soy meal, hulls, crude, crude degummed, once refined, fully refined and hydrogenated oil; lecithin; edible refined oil; margarine, shortening, cooking/salad oil. Served by truck and rail.**

**GRAIN STATES SOYA, INC.** (P) ★
P.O. Box 157, West Point 68788,
Ph. 402/372-2429.
**CONTACT:** Mark Knobbe, Gen. Mgr.
**Continuous screw press; crush cap. 85MT/day; storage cap. 453,460 bu.; soy meal, soybean cake and crude oil. Served by truck.**

## NEW JERSEY

**PENTA MANUFACTURING COMPANY** (R SF IP) ★
P.O. Box 1452, West Caldwell 07007,
Ph. 201/575-7475; TLX: RCA 219472 (PENT UR).
**CONTACT:** George M. Volpe
**Refining cap. 5,000MT/day; storage cap. 20,000 gal. Once refined, fully refined and fractionated oil; edible refined oil and lecithin; industrial soy oil. Served by truck.**

## NEW YORK

**BUNGE CORPORATION** (P) ★
MAIN OFFICE: One Chase Manhattan Plaza, New York 10005; Ph. 212/943-6600;
TLX: RCA 233554.
Plants at Decatur, AL; Cairo, IL; Emporia, KS; Destrehan, LA; Jackson, Marks and Vicksburg, MS.

**CONTINENTAL GRAIN COMPANY** (P) ★
MAIN OFFICE: 277 Park Ave., New York 10172, Ph. 212/207-5530; TLX: 125708 (CONGRAIN NYK). Plants at: Guntersville, AL; Cameron, SC.

**SPENCER KELLOGG PRODUCTS** (R IP) ★
**NL Chemicals**
120 Delaware Ave., P.O. Box 807, Buffalo 14240,
Ph. 716/852-5850; TWX: 710-522-1810 (SPENKELSON).
**Crude degummed, once refined and fully refined oil; industrial lecithin and oil. Served by truck and rail.**

## NORTH CAROLINA

**C.&T. REFINERY, INC.** (R SF) ★
4918 South Blvd., Charlotte 28210,
Ph. 704/523-0414. Main office: Richmond, VA.
**CONTACT:** Bob Holden, VP Sales (804/359-5786)
**Refining cap. 450MT/day; storage cap. 3,000 MT. Fully refined, hydrogenated and fractionated oil; edible refined oil.**

**CARGILL, INC.** (P R) ★
P.O. Box 2309, Fayetteville 28302,
Ph. 919/483-4631. Main office: Minneapolis, MN.
**CONTACT:** Bill Lowe
**Solvent; fully refined oil.**

**CARGILL, INC.** (P) ★
P.O. Box 26987, Raleigh 27611,
Ph. 919/828-4491. Main office: Minneapolis, MN.
**CONTACT:** Doug Fink
**Solvent.**

**PERDUE, INC.** (P) ★
P.O. Box 146, Cofield 27922, Ph. 919/358-0311.
Main office and other plant: Salisbury, MD.
**CONTACT:** William Hammond
**Solvent; crush cap. 590MT/day; storage cap. 1,750,000 bu. Soy meal, hulls, animal/livestock feed and crude oil. Served by truck and rail.**

## NORTH DAKOTA

**NATIONAL SUN INDUSTRIES, INC.** (P R) ★
**Affiliate of COMSHIPCO International, Inc.**
Feeney Dr., P.O. Box 85, Enderlin 58027,
Ph. 701/437-3000; TLX: 0296010 (NATSUN).
Offices: Norcom Export, Inc., Minneapolis, MN; Combined Shipping & Trading Co., London, ENGLAND.
**CONTACT:** John Burritt (612/929-4468)
**Solvent; crush cap. 1,000MT/day; storage cap. 65,000MT. Refining cap. 200MT/day; storage cap. 5,000MT. Soy meal, crude and crude degummed oil. Served by truck and rail.**

## OHIO

**ARCHER DANIELS MIDLAND CO.** (P) ★
608 Findlay Rd., P.O. Box 110, Fostoria 44830,
Ph. 419/435-6633. Main office: Decatur, IL.
**CONTACT:** Ralph Senteney, Merch. Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**CARGILL, INC.** (P) ★
2400 Industrial Blvd., Sidney 45365,
Ph. 513/498-4551. Main office: Minneapolis, MN.
**CONTACT:** Martin Dudley
**Solvent.**

**CENTRAL SOYA COMPANY, INC.** (P R SF IP) ★
605 Goodrich Rd., P.O. Box 369,
Bellevue 44811, Ph. 419/483-2392.
Main office: Fort Wayne, IN.
**CONTACT:** Ralph Enstad (419/483-2392) or Dan Kramer (219/425-5752)
**Solvent; soy meal; hulls, crude degummed, once refined and fully refined oil; edible refined oil and lecithin; industrial oil. Served by truck and rail.**

**CENTRAL SOYA COMPANY, INC.** (P) ★
234 S. Jefferson St., P.O. Box 485,
Delphos 45833, Ph. 419/692-6010.
Main office: Fort Wayne IN.
**CONTACT:** Noel Kimmel
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**CENTRAL SOYA COMPANY, INC.** (P) ★
751 E. Farming St., Marion 43302,
Ph. 614/383-1181. Main office: Fort Wayne IN.
**CONTACT:** Loren Keske
**Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.**

**DURKEE INDUSTRIAL FOODS CORP.** (R SF IP)★
925 Euclid Ave., Cleveland 44115,
Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
Plants at: Chicago and Joliet, IL.
**CONTACT:** C. E. Land, Jr. (216/344-8312).
**Crude degummed, once refined, fully refined, hydrogenated and fractionated oil; edible refined oil; margarine, shortening and cooking/salad oil; soyfoods; industrial oil; soy sterols, tocopherols and fatty acids. Served by truck, rail, barge and ship.**

PENNSYLVANIA

**COLFAX OF PHILADELPHIA INC.** (R SF)★
2500 E. Tioga St., Philadelphia 19134,
Ph. 215/423-4242. Main office: Colfax Inc., Pawtucket, RI.
**CONTACT:** Gary R. Dressler, Mgr.
**Once refined, fully refined and hydrogenated oil; shortening and cooking/salad oil. Served by truck, rail, barge and ship.**

RHODE ISLAND

**COLFAX INC.** (R SF)★
MAIN OFFICE: 38 Colfax St., Pawtucket 02860,
Ph. 401/724-3800. Plant at Philadelphia, PA.
**CONTACT:** Michael B. Dressler

SOUTH CAROLINA

**ARCHER DANIELS MIDLAND CO.** (P)★
427 N. Hampton, Kershaw 29067,
Ph. 803/475-3751. Main office: Decatur, IL.
**CONTACT:** Ray Sartain, Merch. Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

**CARGILL, INC.** (P R)★
P.O. Box 878, Hartsville 29550,
Ph. 803/332-1571. Main office: Minneapolis, MN.
**CONTACT:** Tom Bonds
**Solvent; fully refined and hydrogenated oil.**

**CONTINENTAL GRAIN COMPANY** (P)★
Highway 33 & Cemetary Rd., P.O. Box 396,
Cameron 29030, Ph. 803/823-2211.
Main office: New York, NY.
**CONTACT:** William Yochum
**Solvent; crush cap. 1,000MT/day; storage cap. 2,000,000 bu. Soy meal, hulls and crude oil. Served by truck and rail.**

**PENDLETON OIL MILL, INC.** (P)★
349 E. Main St., P.O. Box 38,
Pendleton 29670-0038, Ph. 803/646-3294.
**CONTACT:** John Sitton
**Hydraulic press; storage cap. 75,000 bu. Slab mealcake for fish bait. Served by truck and rail.**

**SOUTHERN SOYA CORPORATION** (P)★
305 Third St., W., P.O. Box 727, Estill 29918,
Ph. 803/625-2711.
**CONTACT:** J. W. Tyler, Mgr.
**Solvent; soy meal, hulls and crude oil. Served by truck and rail.**

TENNESSEE

**BUNGE EDIBLE OIL CORPORATION** (R SF)★
P.O. Box 2309, Chattanooga 37409,
Ph. 615/821-3511. Main office: Kankakee, IL.
**CONTACT:** H. F. Solomon
**Fully refined and hydrogenated oil; margarine, shortening and cooking/salad oil.**

**CARGILL, INC.** (P)★
P.O. Box 1838, Memphis 38101,
Ph. 901/775-3700. Main office: Minneapolis, MN.
**CONTACT:** Robert W. Drake
**Solvent.**

**CENTRAL SOYA COMPANY, INC.** (P R SF)★
Judd Rd., P.O. Box 5067, Chattanooga 37406,
Ph. 615/629-7341. Main office: Fort Wayne IN.
**CONTACT:** Bob Weatherly
**Solvent; soy meal, hulls, crude, fully refined and hydrogenated oil; edible refined oil. Served by truck, rail and barge.**

TEXAS

**ANDERSON CLAYTON FOODS INC.** (R SF)
12221 Merit Dr., P.O. Box 660037, Dallas 75266,
Ph. 214/450-6000. Other plants at: Jacksonville, IL and Sherman, TX.
**CONTACT:** R.C. Edmondson, VP Operations
**Refining cap. 850MT/day; Once refined, fully refined, hydrogenated and fractionated oil; margarine, shortening and cooking/salad oil. Served by truck and rail.**

**BUNGE EDIBLE OIL CORPORATION** (R SF)★
P.O. Box 163289, Fort Worth 76161-3289,
Ph. 817/625-2331. Main office: Kankakee, IL.
**CONTACT:** E. L. Kalland
**Fully refined and hydrogenated oil; margarine, shortening and cooking/salad oil.**

**CONWAY OIL COMPANY** (R SF IP)★
1405 W. Washington St., Denison 75020,
Ph. 214/465-3655.
**CONTACT:** John R. Davis, Pres.
**Fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil and salad dressings; industrial oil.**

**NE-TEX COOPERATIVE OIL MILL** (P)★
305 N. Sante Fe, P.O. Box 139,
Wolfe City, TX 75496, Ph. 214/496-2281.
**CONTACT:** B. W. Heath
**Solvent; crush cap. 200MT/day; storage cap. 500,000 bu. Soy meal and crude oil. Served by truck and rail.**

VIRGINIA

**C.&T. REFINERY, INC.** (R)★
MAIN OFFICE: C. F. Sauer Co.,
2000 W. Broad St., Richmond 23220,
Ph. 804/359-5786. Plant at: Charlotte, NC.
**CONTACT:** Bob Holden, VP Sales

**CARGILL, INC.** (P)★
P.O. Box 7506, Chesapeake 23324,
Ph. 804/545-8461. Main office: Minneapolis, MN.
**CONTACT:** Tom Siering
**Solvent.**

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CONTINENTAL
GRAIN

## ARGENTINA

**ALINSA S.A.** (P)★
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
MAIN OFFICE: Corrientes 345,
Casilla de Correo No. 1637, Buenos Aires 1000,
Ph. 54/1/394-5281. Other plants at: Necochea
and San Martin.
**CONTACT:** Hector Marsili
**Solvent; crush cap. 3,600MT/day. Soy meal, crude and crude degummed oil. Served by ship.**

**ACEITES TANKAY S.A.** (P)★
Ruta Nac. 9, Km. 336, Casilla de Correo No. 35,
San Jeronimo Sud 2136, Ph. 041/45688;
TLX: 41972 (TNKAY AR). Main office also at
San Jeronimo Sud.
**CONTACT:** Hector Carlos Autino
**Solvent; crush cap. 1,200MT/day; storage cap. 70,000MT. Soy meal and crude degummed oil. Served by truck and rail.**

**ACEITES TANKAY S.A.** (P)★
MAIN OFFICE: Ruta Nac. 9, Km. 336,
Casilla de Correo No. 35, San Jeronimo Sud
2136, Ph. 041/45688; TLX: 41972 (TNKAY AR).
Plants at: Buenos Aires; Rosario and San
Jeronimo Sud, Sante Fe; Tancacha, Cordoba.

**BUYATTI S.A.I.C.A.** (P R)★
MAIN OFFICE: Belgrano 1442, Reconquista
3560, Ph. 0776/21353; TLX: 48188 (BUYAT AR)
or 49618 (BUSAM AR). Plants at San Martin
and Reconquista.

**BUYATTI S.A.I.C.A.** (P)★
Belgrano s/n, Pto. San Martin 2202, Santa Fe,
Ph. 0476/23999 or 22806; TLX: 49618 (BUSAM
AR). Main office: Reconquista.
**CONTACT:** Paul F. Venetucci
**Solvent and continuous screw press; crush cap. 2,000MT/day; storage cap. 45,000MT. Soy meal and crude degummed oil. Served by truck, rail, barge and ship.**

**BUYATTI S.A.I.C.A.** (P R)★
Parque Industrial, Reconquista 3560, Santa Fe,
Ph. 0776/21552 or 21558. Main office also at
Reconquista.
**CONTACT:** Paul F. Venetucci (0476/23999)
**Solvent and continuous screw press; crush cap. 1,100MT/day; storage cap. 40,000MT. Refining cap. 120MT/day; storage cap. 10,000MT. Soy meal, crude degummed and once refined oil. Served by truck, rail, barge and ship.**

**COMPANIA CONTINENTAL S.A.** (P R)★
**Affiliate of Continental Grain Co., USA**
Ruta 5 KM 160, Chivilcoy 6620,
Ph. 541/312-5601; TLX: 390-22372 (CONT AR).
Main office: Buenos Aires.
**CONTACT:** Diego Barbero
**Solvent; crush cap. 750MT/day; storage cap. 75,000MT. Refining storage cap. 8,800MT. Crude degummed oil. Served by truck.**

**COMPANIA CONTINENTAL S.A.** (P R)★
**Affilate of Continental Grain Co., USA**
MAIN OFFICE: Ave. Eduardo Madero 942,
Buenos Aires 2206, Ph. 541/312-5601;
TLX: 390-22372 (CONT AR). Plant at Chivilcoy.

**INDO S.A.** (P R SF IP)★
Reconquista 458, p.15°, Buenos Aires 1358,
Ph. 5411/2385-1589; TLX: 24085-9105-24283
(LAPCE AR).
**CONTACT:** Esteban Zombory or Ruben
Rodriguez
**Crush cap. 1,700MT/day; storage cap. 90,000MT. Refining cap. 60MT/day; storage cap. 27,000MT. Soy meal; crude degummed and fully refined oil; lecithin; industrial lecithin. Served by truck, rail, barge and ship.**

**INDUSTRIAS MOLTURADORAS**
**S.A. (IMSA)** (P SF IP)★
Roca esquina Cuba, Casilla de Correo 50,
Pto. Gral. San Martin 2202, Ph. 0476/22635 or
23073; TLX: 49615 (IMSA).
**Solvent; crush cap. 2,000MT; storage cap. 60,000MT. Soy meal; crude and crude degummed oil; soy flour; industrial lecithin and soy oil. Served by truck, rail, barge and ship.**

**MOLINOS RIO DE LA**
**PLATA S.A.** (P R SF IP)
MAIN OFFICE: Paseo Colon 746, Buenos Aires
1323, Ph. 54/111/30-8463, 30-8485, 33-3002 or
33-3003; TLX: 22270 (MRPSA AR). Other plants:
Avellaneda, Provincia de Buenos Aires; Puerto
Vilelas, Chaco.
**CONTACT:** Juan D. Protto, Div. Mgr.
**Solvent; crush cap. 2,500MT/day; storage cap. 150,000MT. Refining cap. 500MT/day; storage cap. 20,000MT. Soy meal; crude, crude degummed, fully refined, hydrogenated and fractionated oil; margarine, shortening, cooking/salad oil; industrial lecithin; soybean fatty acids. Served by truck, rail and barge.**

**SWIFT ARMOUR S.A.** (P R SF)
Villa Gob. Galvez, Rosario 2000,
Ph. 041/83-6831, 83-0102 or 83-7317.
Main office: Buenos Aires.
**CONTACT:** General Manager
**Solvent; crush cap. 180MT/day. Refining cap. 90MT/day. Soy meal; animal/livestock feed; crude oil; white flakes for edible purposes; cooking/salad oil. Served by truck, rail and ship.**

**SWIFT ARMOUR S.A.** (P R SF)
MAIN OFFICE: Av. L.N. Alem, 986, Buenos Aires
1001, Ph. 311-6263, 311-5001, 312-6880 or 313-5200;
TLX: 17587, 9206 or 23147 (SWIFT AR). Plants at:
La Plata and Rosario.
**CONTACT:** Sales Dept.

## AUSTRALIA

**CARGILL OILSEEDS AUSTRALIA** (P R)★
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
MAIN OFFICE: 432 St. Kilda Rd., 12th Floor,
G.P.O. Box 58A, Melbourne, Victoria 3001,

Ph. 61/03/267-7077. Plants at: Brisbane,
Footscray and Narrabri.
**CONTACT:** Ralph Selwood, Mktg. Mgr.

**CARGILL PROCESSING LTD.** (P) ★
**Affiliate of Cargill Oilseeds Australia**
Baranbar St., Narrabri, NSW 2390,
Ph. 61/67/922-711; TLX: AA 66564.
Main office: Melbourne.
**CONTACT:** Ian Hillam, Gen. Mgr.
**Solvent; crush cap. 600MT/day; storage cap. 20,000MT. Soy meal, crude degummed oil. Served by truck and rail.**

**CARGILL PROCESSING LTD.** (P R) ★
**Affiliate of Cargill Oilseeds Australia**
425 Somerville Rd., West Footscray,
Victoria 3012, Ph. 61/03/314-0933;
TLX: AA 30875. Main office: Melbourne.
**CONTACT:** John Spence
**Solvent; crush cap. 400MT/day; storage cap. 8,000MT. Refining cap. 70MT/day; storage cap. 4,000MT. Soy meal and crude degummed oil. Served by truck.**

**QUEENSLAND OILSEEDS CRUSHERS PTY LTD.** (P) ★
**Affiliate of Cargill Oilseeds Australia**
Antimony St., Carole Park, Brisbane,
Queensland 4300, Ph. 61/07/271-1766;
TLX: AA 43619. Main office: Melbourne.
**CONTACT:** Geoff Armstrong
**Solvent; soy meal, crude degummed oil. Served by truck and ship.**

**REFINOIL (1976) LTD.** (P R)
Hammond Rd., Jandakot, Perth,
West Australia 6164, Ph. 09/417-9000.
**CONTACT:** Malcolm Fox Scott, Mgr.
**Continuous screw press; crush cap. 20MT/day; storage cap. 15,000 bu. Refining cap. 15,000MT/day. Soy meal, crude and refined oil. Served by truck.**

### AUSTRIA

**OSTERREICHISCHE UNILEVER GmbH** (R SF)
**Kuner Division**
**Affiliate of Unilever N.V., Rotterdam**
MAIN OFFICE: Rogenasse 4, A-1011 Vienna,
Ph. 6619-500; TLX: 114080 or 115083.
Plants at Vienna and Klagenfurt.
**CONTACT:** Sales Office
**Fully refined and hydrogenated oil, margarine, cooking/salad oil.**

### BANGLADESH

**ABUL KHAIR VEGETABLE OIL INDUSTRIES, LTD.** (R) ★
MAIN OFFICE: Dhaka Trunk Rd., Pahartali,
Chittagong, Ph. 500248. Plant also at Chittagong.

**ABUL KHAIR VEGETABLE OIL INDUSTRIES LTD.** (R) ★
7/8, Nasirabad Industrial Area, G.P. Box 613,
Chittagong, Ph. 212095. Main office also at
Chittagong.
**CONTACT:** Sales Office
**Refining cap. 18MT/day; storage cap. 1,000MT. Fully refined and hydrogenated oil. Served by truck and ship.**

**M. HABIB OIL MILLS (BD) LTD.** (R) ★
House No. 233A, Road No. 15,
Dhanmandi Residential Area, Dhaka,
Ph. 311209/317405; TLX: 642751 (HH BJ).
**CONTACT:** M. Nasir, Mgr. Dir.
**Refining cap. 30MT/day; storage cap. 1,000MT. Fully refined and hydrogenated oil. Served by truck, rail, barge and ship.**

### BELGIUM

**N.V. CARGILL** (P) ★
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
Muisbroeklaan, Kaai 506, 2030 Antwerp,
Ph. 32/3/542-5080; TLX: 33761.
**CONTACT:** Pouwel Brouwer, Deputy Account Mgr.
**Solvent; crush cap. 1,300MT/day. Soy meal and crude oil. Served by truck, rail, barge and ship.**

**N.V. OLIEFABRIEK LICHTERVELDE** (R)
MAIN OFFICE: St. Pietersvliet 3, Bus. 13,
2000 Antwerp, Ph. 32/03/234-2700;
TLX: 31600 (GHZOAN B). Plant at: Lichtervelde.
**CONTACT:** R. Frickel or C. Van Wijk

**N.V. OLIEFABRIEK LICHTERVELDE** (R)
Kortemarkstraat, 8, B-8070 Lichtervelde,
Ph. 32/51/722401; TLX: 81154 (OLICHT B).
Main office: Antwerp.
**CONTACT:** R. Frickel or C. Van Wijk
(32/03/234-2700)
**Crude degummed and once refined oil for technical purposes.**

**N.V. OLIEFABRIEKEN DEBEIL** (R) ★
Sint Jansstraat 122, 8140 Staden,
Ph. 32/41/701701; TLX: 046-81567 (DEBEIL B).
**CONTACT:** Guy Van Tongel, Commercial Dir.
**Refining cap. 50MT/day; storage cap. 500MT. Fully refined oil. Served by truck.**

**N.V. SCALDISWERKEN RUIEN** (P R) ★
Avelgemstraat 6, B-9690 Kluisbergen,
Ph. 32/55/388412.
**CONTACT:** Maurice Windels
**Continuous screw press; crush cap. 20MT/day; storage cap. 1,000MT. Animal/livestock feed, crude and fully refined oil. Served by truck and barge.**

**N.V. UNION** (R SF) ★
Borrewaterstraat 182, B-2060 Antwerp
(Merksum), Ph. 32/3/640-0201;
TLX: 34895 (SOL B).
**CONTACT:** L.J.P. Janssens, Mgr.
**Fully refined oil; margarine, shortening, cooking/salad oil. Served by truck.**

**N.V. VAMO MILLS** (P SF IP)★
Moervaartkaai, 9020 Gent. Main office: Izegem.
**CONTACT:** P. Benoit (meal), K. van der Heiden (oil), J. Vandemoortele (flour) and G. Vanmarcke (lecithin) (32/51/332211)
**Solvent and continuous screw press; crush cap. 3,000MT/day; storage cap. 60,000MT. Soy meal; hulls; crude and crude degummed oil; lecithin; soy flour; industrial lecithin and industrial soy flour/soy protein. Served by truck, rail, barge and ship.**

**N.V. VAMO MILLS** (P SF IP)★
Carrettestraat 27, 2060 Merksem (Antwerp).
Main office: Izegem.
**CONTACT:** P. Benoit (meal), K. van der Heiden (oil), J. Vandemoortele (flour) and G. Vanmarcke (lecithin) (32/51/332211)
**Solvent and continuous screw press; crush cap. 1,850MT/day; storage cap. 25,000MT. Soy meal; hulls; crude and crude degummed oil; lecithin; soy flour; industrial lecithin and industrial soy flour/soy protein. Served by truck, rail, barge and ship.**

**N.V. VAMO MILLS** (P)★
Prins Albertlaan 12, 8700 Izegem,
Ph. 32/51/332211; TLX: 81622.
Main office also at Izegem.
**CONTACT:** P. Benoit (meal), K. van der Heiden (oil), J. Vandemoortele (flour) and G. Vanmarcke (lecithin)
**Solvent and continuous screw press; crush cap. 1,200MT/day; storage cap. 14,000MT. Soy meal and crude oil. Served by truck, rail and barge.**

**N.V. VAMO MILLS** (P SF IP)★
MAIN OFFICE: Prins Albertlaan 12,
8700 Izegem, Ph. 32/51/332211; TLX: 81622.
Plants at Gent, Merksem (Antwerp) and Izegem.
**CONTACT:** P. Benoit (meal), K. van der Heiden (oil), J. Vandemoortele (flour) and G. Vanmarcke (lecithin)

**N.V. VANDEMOORTELE** (R SF IP)★
Prins Albertlaan 12, 8700 Izegem,
Ph. 32/51/332211; TLX: 81622 (VAMO B).
**CONTACT:** Jose Claerhout
**Refining cap. 1,500MT/day. Fully refined, hydrogenated and fractionated oil; margarine, shortening, cooking/salad oil; industrial soy oil. Served by truck and barge.**

## BOLIVIA

**SOCIEDAD ACEITERA DEL ORIENTE S.A. (SAO)** (P R)★
Parque Industrial, PI-9, P.O. Box 1295,
Santa Cruz, Ph. 0309/033/50888 or 50889,
TLX: 4299 (SAO BV).
**CONTACT:** Roberto Saavedra Bruno
**Solvent; crush cap. 180MT/day; storage cap. 42,000MT. Refining cap. 40MT/day; storage cap. 1,500MT. Soy meal, crude, crude degummed and fully refined oil. Served by truck and rail.**

## BRAZIL

**CARGILL AGRICOLA S.A.** (P R)★
**Affiliate of Cargill, Inc., Minneapolis, MN, USA**
MAIN OFFICE: Rua Olavo Bilac 157,
P.O. Box 9333, Sao Paulo, SP, 01000,
Ph. 55/11/545-0211; TLX: 21268. Other plants at: Ponta Grossa, Parana; Mairinque and Monte Alto, SP; Uberlandia, Minas Gerais.
**CONTACT:** Sergio Barroso, Account Mgr.
**Solvent; crush cap. 5,500MT/day. Refining cap. 700MT/day. Soy meal, hulls, crude, crude degummed, once refined and fully refined oil. Served by truck, rail and ship.**

**CEVAL AGRO INDUSTRIAL S.A.** (P R)
Rodovia Jorge Lacerda, s/n°, Gaspar,
Santa Catarina, 89110, Ph. 0473/32-0211;
TLX: 0473-235.
**CONTACT:** Cesar Augusta Jorraber
**Solvent; soy meal, crude degummed and fully refined oil. Served by truck, rail and ship.**

**CONTINENTAL DE OLEOS VEGETAIS** (P)★
**Affiliate of Continental Grain Co., USA**
Estrada dos Bandeirantes, 1375, Zona 42, Maringa, Parana, 87100, Ph. 24-4111; TLX: 442171 (VEOL BR). Main office: Sao Paulo.
**CONTACT:** Stanley Haar (55/11/280-8433)
**Solvent; crush cap. 2,200MT/day; storage cap. 150,000MT. Soy meal, hulls, crude degummed oil. Served by truck and rail.**

**CONTINENTAL DE OLEOS VEGETAIS** (P)★
**Affiliate of Continental Grain Co., USA**
MAIN OFFICE: Avenida Brasil, NR 1891,
P.O. Box 4877, Sao Paulo, SP, Ph. 55/11/280-8433; TLX: 011-22625 (CCEB BR). Plant at: Maringa, Parana.

**ENERGE S.A.** (P R SF IP)★
**Affiliate of Nutrimental S.A.**
BR 280, Km. 58, Guaramirim, Santa Catarina, 89258, Ph. 55/0473/730355; TLX: 474497.
Main office: Sao Jose dos Pinliais.
**CONTACT:** Luis Augusto de Mello
**Solvent; crush cap. 200MT/day; storage cap. 10MT. Refining cap. 27MT/day; storage cap. 800MT. Soy meal; crude degummed oil; lecithin; soy flour; beverages; industrial lecithin and soy flour. Served by truck.**

**INDUSTRIA DE OLEOS PACAEMBU S.A.** (P R SF)
Rua Silva Teles, 1465, Sao Paulo, SP, 03026,
Ph. 011/291-8844; TLX: 22374 (IOLP);
Other plants: Cascavel, Paranavai, Paranagua and Fatima Do Sul.
**CONTACT:** Kanji Adachi, Mgr.
**Solvent; crush cap. 1,500 MT/day; storage cap. 100,000MT. Refining cap. 300MT/day; storage cap. 2,000MT. Soy meal, crude degummed, fully refined and cooking/salad oil. Served by truck and ship.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)** (R SF)
Estrada Federal BR 116, Km. 287, Guaiba, RS, 92500, Ph. 0512/80-1399; TLX: 051-1934 (OLVE BR). Main office: Porto Alegre.

**CONTACT:** Hans Hajo Grun, Comm. Dir. (0512/21-2200)
**Refining cap. 400MT/day; storage cap. 6,000MT. Once refined and fully refined oil; soy concentrates, isolates; simulated meat products; soy grits; cooking/salad oil; soy beverages. Served by truck.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)** (P)
Av. Benjamin Constant, 2939, Lajeado, RS, 95900,
Ph. 051/714-8111; TLX: 051-2963 (OLVE BR).
Main office: Porto Alegre.
**CONTACT:** Hans Hajo Grun, Comm. Dir. (0512/21-2200)
**Solvent; crush cap. 2,000MT/day; storage cap. 90,000MT. Soy meal, hulls, crude and crude degummed oil. Served by truck.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)** (P R)
Rua Conde de Porto Alegre, 307, Pelotas, RS, 96100, Ph. 0532/25-7177; TLX: 0532-0125 (OLVE BR). Main office: Porto Alegre.
**CONTACT:** Hans Hajo Grun, Comm. Dir. (0512/21-2200)
**Solvent; crush cap. 2,500MT/day; storage cap. 50,000MT. Refining cap. 400MT/day; storage cap. 9,000MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil. Served by truck.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)** (P)
Rua Santa Cruz, 100, Santa Rosa, RS, 98900,
Ph. 055/512-1833; TLX: 055-2404 (OLVE BR).
Main office: Porto Alegre.
**CONTACT:** Hans Hajo Grun, Comm. Dir. (0512/21-2200)
**Solvent; crush cap. 1,000MT/day; storage cap. 112,000MT. Soy meal, hulls, crude and crude degummed oil. Served by truck and rail.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)** (P R SF)
MAIN OFFICE: Praca Osvaldo Cruz 15-16°,
P.O. Box 2016, Porto Alegre, RS, 90030,
Ph. 0512/21-2200; TLX: 051-1225 (OLVE BR).
Plants at: Guaiba, Lajeado, Pelotas and Santa Rosa.
**CONTACT:** Hans Hajo Grun, Comm. Dir.

**INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL)** (P SF IP)★
MAIN OFFICE: Avenida Borges de Medeiros, 659, 12th Floor, Porto Alegre, RS, 90020,
Ph. 55/512/217799; TLX: 515196 (FIGF BR).
Plants at: Estrela, Feliz and Sapucaia, RS; Ituiutaba, MG.
**CONTACT:** Sergio Lindemann, Export Mgr.

**INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL)** (P SF IP)★
Av. Augusto F. Markus, s/n°, Entroncamento Rodo-Hidro-Ferroviario, Estrela, RS, 95880,
Ph. 051/712-1188. Main office: Porto Alegre.
**CONTACT:** Sergio Lindemann, Export Mgr. (55/512/217799)
**Solvent; crush cap. 2,500MT/day; storage cap. 140,000MT. Soy meal, crude degummed oil, lecithin, industrial lecithin. Served by truck, barge and rail.**

**INDUSTRIAS J.B. DUARTE S.A.** (P R SF IP)★
MAIN OFFICE: Rua dos Patriotas, 1382,
P.O. Box 1002, Sao Paulo, SP, 04207,
Ph. 55/11/274-8211; TLX: 11-21226, 33172 or 36622 (IJBD BR). Plants at Sao Paulo and Santo Anastacio.
**CONTACT:** Archimedes Jorge Cortellazzi

**INDUSTRIAS J.B. DUARTE S.A.** (R SF)★
Rua dos Patriotas, 1382, P.O. Box 1002,
Sao Paulo, SP, 04207, Ph. 55/11/274-8211;
TLX: 11-21226, 33172 or 36622 (IJBD BR).
Main office also at Sao Paulo.
**CONTACT:** Archimedes Jorge Cortellazzi
**Refining cap. 400MT/day; storage cap. 2,500MT. Once refined, fully refined and hydrogenated oil; shortening and cooking/salad oil. Served by truck and rail.**

**INDUSTRIAS J.B. DUARTE S.A.** (P R SF IP)★
Rua Vereador Joao Lima de Souza, 608,
Santo Anastacio, SP, 19360, Ph. 55/182/611933;
TLX: 18-2305 (IJBD BR).
Main office: Sao Paulo.
**CONTACT:** Archimedes Jorge Cortellazzi (55/11/274-8211).
**Solvent; crush cap. 1,100MT/day; storage cap. 37,000MT. Soy meal; animal/livestock feed; crude and crude degummed oil; lecithin; industrial lecithin and oil; soy sterols and tocopherols. Served by truck and rail.**

**NUTRIMENTAL S.A.** (P R SF IP)★
Marcelino Nogueira St., 1182, C.P. 11,
Sao Jose dos Pinhais, Parana, 83100,
Ph. 55/041/283-3344; TLX: 415493 (NUTR BR).
Plant at Guaramirim, Santa Catarina.
**CONTACT:** William Tallmann

**RESEGUE INDUSTRIA E COMERCIO S.A.** (P R SF)
Avenida Claudionor Barbieri, 28, Bariri, SP, 17250,
Ph. 0146/62-1311; TLX: 142505 (IROV BR).
Main office: Sao Paulo.
**CONTACT:** Pedro Laercio Fancio (011/259-2000)
**Solvent; crush cap. 1,800MT/day; storage cap. 100,000MT. Refining cap. 250MT/day; storage cap. 12,500MT. Soy meal; crude degummed and fully refined oil; cooking/salad oil. Served by truck and rail.**

**RESEGUE INDUSTRIA E COMERCIO S.A.** (R SF)
Rodovia Anhanguera, Km. 24, Sao Paulo, SP, 01000, Ph. 011/841-3688; TLX: 32340 (IROV BR).
Main office also at Sao Paulo.
**CONTACT:** Pedro Laercio Fancio (011/259-2000)
**Refining cap. 280MT/day; storage cap. 3,500MT. Fully refined and hydrogenated oil; shortening, cooking/salad oil. Served by truck.**

**RESEGUE INDUSTRIA E COMERCIO S.A.** (P R SF)
MAIN OFFICE: Rua Marie Paula, 88,
P.O. Box 3991, Sao Paulo, SP, 01319,
Ph. 011/259-2000; TLX: 24762 or 25303 (IROV BR).
Plants at: Bariri, SP; Sao Paulo, SP.
**CONTACT:** Pedro Laercio Fancio, Mgr.

## CANADA

**CSP FOODS LTD.** (P R)★
35 10th Ave., N.W., P.O. Box 750,
Altona, Man. R0G 0B0, Ph. 204/324-6481;
TLX: 07-57556 (CSP ALTO);
Main office: Winnipeg.
**CONTACT:** M. Funk or L. Martens
**Solvent; crush cap. 600MT/day; storage cap. 720,000 bu. Refining cap. 90MT/day; storage cap. 4,300MT. Soy meal, crude, crude degummed and fully refined oil. Served by truck and rail.**

**CSP FOODS LTD.** (P R)★
MAIN OFFICE: 870-360 Main St., Winnipeg Square Complex, Winnipeg, Man. R3C 3Z3, Ph. 204/947-6871; TLX: 07-587638 (CSP WPG);
Plant at: Altona, Man.

**CANADA PACKERS, INC.** (R SF IP)
**Edible Oils Division**
1260 Mill St., Montreal, Quebec H3K 2B4,
Ph. 514/934-6591; TLX: 05560601.
Main office; Toronto, Ont.
**CONTACT:** Jean Paul Faille, Plant Mgr.
**Once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; industrial soy oil. Served by truck, rail and ship.**

**CANADA PACKERS, INC.** (R SF IP)
**Edible Oils Division**
30 Weston Rd., Toronto, Ont. M6N 3P4,
Ph. 416/761-43234;
TLX: 069-69539 (CDAPACKOIL TOR).
Main office also at Toronto, Ont.
**CONTACT:** Art Cyr, Plant Mgr.
**Fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; industrial soy oil. Served by truck, rail and ship.**

**CANADA PACKERS, INC.** (R SF IP)
**Edible Oils Division**
MAIN OFFICE: 30 Weston Rd., Toronto,
Ont. M6N 3P4, Ph. 416/761-4224;
TLX: 069-69539 (CDA PACKOIL TOR).
Plants at: Montreal, Toronto, Wainwright and Winnipeg.

**CANADA PACKERS, INC.** (R SF)
**Edible Oils Division**
P.O. Box 636, Wainwright, Alberta T0B 4P0,
Ph. 403/842-6154; TLX: 03741603.
Main office: Toronto, Ont.
**CONTACT:** Doug Sparks
**Fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck and rail.**

**CANADA PACKERS, INC.** (R SF IP)
**Edible Oils Division**
660 Marion St., Winnipeg, Man. R2J 0K4,
Ph. 204/237-9811; TLX: 0757729.
Main office: Toronto, Ont.
**CONTACT:** Jack Cummings, Plant Mgr.
**Once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; industrial soy oil. Served by truck and rail.**

**CANADIAN VEGETABLE OIL PROCESSING** (P)★
**Division of Canada Packers Inc.**
515 Victoria Ave. at Burlington St., P.O. Box 618,
Hamilton, Ont. L8N 3K7, Ph. 416/527-9121;
TLX: 0618315 (CVOP HAM).
**CONTACT:** P.G. Glenney or B.H. Sandal
**Solvent; crush cap. 1,200MT/day. Soy meal, hulls and crude degummed oil. Served by truck, rail and ship.**

**MAPLE LEAF MONARCH CO.** (R SF IP)★
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
5550 Maplewood Dr., P.O. Box 7128, Windsor,
Ont. N9C 3Z1, Ph. 519/966-2700;
TLX: 06-477887 (MLM ON).
**CONTACT:** John McNamara or Doug Miller
**Crude degummed, once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; industrial lecithin; soy sterols and tocopherols. Served by truck and rail.**

**VICTORY SOYA MILLS LTD.** (P SF IP)★
**Division of Central Soya Company, Inc.**
**Ft. Wayne, IN, USA**
333 Lake Shore Blvd., E., Toronto, Ont. M5A 1C2.
Ph. 416/363-8771.
**CONTACT:** Murray Davis
**Solvent; crush cap. 1,350MT/day; storage cap. 1,900,000 bu. Soy meal, hulls, crude and crude degummed oil, lecithin, soy flour. Served by truck, rail, barge and ship.**

## COLOMBIA

**ACEITES DEL CARIBE S.A.** (P SF)★
**Affiliate of Lloreda Grasas S.A.**
Via 40, Calle 87, Apartado Aereo 2333
Barranquilla, Ph. 340010; TLX: 033367 (ADCA CO). Main office: Cali.
**CONTACT:** Hugo Parra (645043)
**Solvent; soy meal; crude and crude degummed oil; lecithin. Served by truck.**

**COGRA LEVER S.A.** (R SF)★
Calle 13, No. 45-46, Apartado Aereo 4329,
Bogota, Ph. 57/2/687766;
TLX: 041445 (LEVE CO).
**CONTACT:** Jorge O. Trujillo, Commercial Mgr.
**Refining cap. 300MT/day; storage cap. 3,000MT. Margarine, shortening and edible oil for mayonnaise.**

**GRASAS VEGETALES S.A. (GRAVETAL)** (P R SF IP)★
Cra. 28, No. 37-79 Sabaneta, P.O. Box 80617,
Medellin, Ph. 57/4/288-0711;
TLX: 66797 (GVTAL CO).
**CONTACT:** Sergio Eusse
**Solvent; crush cap. 300MT/day; storage cap. 4,000MT. Refining cap. 140MT/day; storage cap. 2,000MT. Soy meal; crude degummed, fully refined, hydrogenated and fractionated oil; lecithin, margarine, shortening, cooking/salad oil; industrial lecithin, oil and soybean fatty acids. Served by truck and rail.**

**LLOREDA GRASAS S.A.** (P SF)★
MAIN OFFICE: Autopista Cali-Yumbo Km. 3,
Apartado Aereo 1288, Cali, Ph. 645043;
TLX: 055711 (LLOGR CO) or 051170 (LLOC CO).
Plant at Barranquilla.
**CONTACT:** Hugo Parra, Comm. Mgr.

*There's more than Soybeans coming from Cargill plants . . .*

**. . . We're Working for Change**

In an effort to get soybean products closer to the marketplace as cheaply and efficiently as possible, we at Cargill are continually striving to improve the marketing situation.

To this end, we're developing and testing new technology to further reduce processing costs. And, in the area of transportation, we're streamlining the manner in which the goods get to market, at the best possible price.

In these ways, we're doing our part to make US soybean products more competitive in world markets.

Change doesn't come quickly -- but, we're working on it.

CARGILL

**Oilseed Processing Group**
**Box 9300 Minneapolis, MN 55440**

## COSTA RICA

**COMPANIA NUMAR S.A.** (R SF)★
Av. 12, C20-24, P.O. Box 3657, 1000 San Jose,
Ph. 239666; TLX: 2185 (NUMAR CR).
CONTACT: Saverio Altamura Carriero
Hydrogenated oil, margarine, cooking/salad oil and salad dressing.

## DENMARK

**AARHUS OLIEFABRIK A/S** (P R SF)★
M.P. Bruunsgade 27, P.O. Box 50,
8100 Aarhus C, Ph. 945/06/126000;
TLX: 64341, 64342 or 64348 (PALMF DK).
CONTACT: Henning Monefeldt
Solvent; crush cap. 1,200MT/day; storage cap. 30,000MT. Refining cap. 200MT/day; storage cap. 3,000MT. Soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oil; lecithin; soy concentrates and isolates. Served by truck, rail and ship.

**DS INDUSTRIES ApS** (P R .SF IP)★
Islands Brygge, DK-2300 Copenhagen S,
Ph. 45/01/546600; TLX: 31313 (DASOY DK).
CONTACT: John Skougaard or J.L. Larson
Hydraulic press; crude, fully refined, hydrogenated and cooking/salad oil; lecithin, industrial lecithin and oil; soybean fatty acids. Served by truck and rail.

## DOMINICAN REPUBLIC

**INDUSTRIAS LAVADOR C.A.** (R SF)
MAIN OFFICE: Ave. San Martin 122,
P.O. Box 761, Santo Domingo, Ph. 809/565-7333;
TLX: ITT 3460200 (LAVADOR).
CONTACT: Mario J. Cabrera, Exec. VP
Refining cap. 80MT/day; storage cap. 3,0000MT. Fully refined oil and margarine. Served by truck.

**PRODUCTORA NACIONAL DE ALIMENTOS BALANCEADOS S.A. (PRONALBA)** (P R SF)
**Affiliate of Industrias Lavador C.A.**
Ave. San Martin 124, P.O. Box 1383,
Santo Domingo, Ph. 809/565-7333;
TLX: ITT 3460200 (LAVADOR).
Main office also at Santo Domingo.
CONTACT: Mario J. Cabrera
Screw press; crush cap. 110MT/day; storage cap. 6,000MT. Refining cap. 110MT/day. Soy meal; animal/livestock feed; crude, crude degummed, once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck, barge and ship.

## ECUADOR

**FABRICA DE ACEITES LA FAVORITA S.A.** (P R SF)
P.O. Box 486, Guayaquil, Ph. 593/4/402840;
TLX: 043174 (JARITA ED).
CONTACT: Xavier Vallarino, Pres.
Solvent; crush cap. 200MT/day; storage cap. 7,300MT. Refining cap. 150MT/day; storage cap. 8,000MT. Soy meal; crude degummed, once refined, fully refined, hydrogenated and fractionated oil; margarine, shortening, cooking/salad oil. Served by truck and ship.

**LA FABRIL CIA. LTDA.** (P R)
Km. 5½ Via Manta-Portoviejo, P.O. Box 4761,
Manta, Ph. 610091, 612734 or 612747;
TLX: 6101 (FABRIL ED).
CONTACT: Carlos Gonzalez, Gen. Mgr.
Screw press; crush cap. 35MT/day; storage cap. 1,000MT. Refining cap. 50MT/day; storage cap. 800MT. Crude oil.

**INDUSTRIAS ALES C.A.** (P R SF)
MAIN OFFICE: Caracas 138 y Salinas,
P.O. Box A-4616, Quito, Ph. 593/2/230376,
TLX: 2198 (ALESCA ED). Plant at Manta.
CONTACT: Wolfgang W. Klein, Gen. Mgr.
Solvent; crush cap. 120MT/day; storage cap. 3,000MT. Refining cap. 85MT/day; storage cap. 5,000MT. Soy meal; hulls; crude degummed, fully refined and cooking/salad oil; margarine. Served by truck and ship.

**OLEICA S.A.** (P R SF)★
Km. 6½ de la Via Guayaquil Daule, Casilla 3228,
Guayaquil, Ph. 351300; TLX: 3214 (OLJACE ED).
Solvent; crush cap. 70MT/day; storage cap. 8,000MT. Refining cap. 100MT/day; storage cap. 6,00MT. Soy meal; animal/livestock feed; crude, crude degummed, fully refined and hydrogenated oil; margarine and cooking/salad oil. Served by truck.

## EGYPT

**AL ARZ INDUSTRIES FOR VEGETABLE OILS & DERIVATIVES** (P R)
P.O. Box 1984, Free Zone Alexandria,
Ph. 491-3373 or 492-5819; TLX: 54214 (SINO UN).
CONTACT: Michael G. Malak
Solvent; crush cap. 300MT/day. Refining cap. 60MT/day; storage cap. 3,000MT. Soy meal; white flakes for edible purposes; fully refined oil. Served by truck and barge.

**MOBARAK & COMPANY** (P R)★
Gesr El-Gergawiya El-Gharby St., P.O. Box 23,
Souhag, Ph. 02/093/322116 or 323118;
TLX: 24201 (MOBRK UN).
CONTACT: Bahaa Mobarak
Hydraulic press; crush cap. 100MT/day; storage cap. 10,000MT. Refining cap. 18MT/day; storage cap. 600MT. Soy meal; crude, crude degummed and hydrogenated oil. Served by truck.

## EL SALVADOR

**PRODUCTOS AGROPECUARIOS SALVADORENOS S.A. (PROASAL)** (P R)
49 Avenida Sur y 4a Calle Poniente No. 2520,
P.O. Box 01-45, San Salvador 01-124,
Ph. 503/23-9100; TLX: 20263 (PRONAC).
CONTACT: Vidales Guillermo, Gen. Mgr.
Solvent. Served by truck.

## ENGLAND

**BOCM SILCOCK LTD.** (P R IP) ★
MAIN OFFICE: Basing View, Basingstoke,
Hampshire RG21 2EQ, Ph. 0256/29211;
TLX: 858429 (BSHO G);
Plant at: Selby, Yorkshire.
CONTACT: David Lewin
**Solvent; crush cap. 400MT/day; storage cap. 2,000MT. Refining cap. 70MT/day; storage cap. 1,000MT. Soy meal; animal/livestock feed; crude and once refined oil; industrial soy flour/protein and soy oil. Served by truck, rail and barge.**

**SAMUEL BANNER & CO. LTD.** (R SF) ★
MAIN OFFICE: 59/61 Sandhills Lane, Liverpool,
Merseyside L5 9XL, Ph. 010/051/922-7871;
TLX: 627025 (BANNER G).
Other plants: London and Glasgow.
CONTACT: Colin J. Newman, or Miss P. Kelly
**Refining cap. 240MT/day; storage cap. 3,000MT. Crude degummed, once refined, fully refined, hydrogenated and cooking/salad oil. Served by truck and ship.**

**BIBBY EDIBLE OILS LTD.** (R SF) ★
**Affiliate of Bunge & Co. Ltd., London**
Regent Rd., P.O. Box 26, Bootle,
Merseyside L20 1EH, Ph. 051/922-7272;
TLX: 629339 (EDOILS G).
CONTACT: J.D. Mullane, Bulk Oil Sales Mgr.
**Refining cap. 600MT/day. Fully refined and hydrogenated oil, shortening, cooking/salad oil.**

**CARGILL UK LTD.** (P R) ★
**Oilseed Processing Division**
**Affiliate of Cargill, Inc.**
**Minneapolis, MN, USA**
No. 2 Gladstone Deck, Bootle, Liverpool,
Merseyside L20 1BG.
CONTACT: Terry Savidge
**Solvent; crush cap. 2,400MT. Refining cap. 360MT/day. Soy meal; hulls; crude, crude degummed and fully refined oil. Served by truck.**

**CHERWELL VALLEY SILOS LTD.** (P IP) ★
Twyford, Banbury, Oxfordshire OX17 3AA,
Ph. 0295/811441; TLX: 83477 (CVS BAN G).
CONTACT: James Hoy
**Crush cap. 120MT/day; storage cap. 300MT. Animal/livestock feed and industrial soy flour. Served by truck.**

**CONTINENTAL UK LTD.** (P R)
**Conti-Soya Division**
North Quay, No. 2 Gladstone Dock, Bootle,
Liverpool L20 1BG, Ph. 44/051/933-6561;
TLX: 628000 (CONTSE G). Main office: London.
CONTACT: A. Arnesen, Liverpool; L. Barrett, Merch. Mgr. or Patrick Evans, Oils Merchandiser, London
**Solvent; crush cap. 2,000MT/day; storage cap. 31,000MT. Refining cap. 300MT/day; storage cap. 6,000MT. Soy meal, hulls, crude, crude degummed, once refined and fully refined oil. Served by truck and ship.**

**CONTINENTAL UK LTD.** (P R)
MAIN OFFICE: Bankside House,
107/112 Leadenhall St., London EC3A 4AN,
Ph. 44/01/283-4222; TLX: 886302 (CONTLN G).
Plant at: Liverpool.
CONTACT: L. Barrett, Merch. Mgr. or Patrick Evans, Oils Merchandiser

**ERITH OIL WORKS LTD.** (P) ★
Church Manorway, Erith, Kent DA8 1DL,
Ph. 03224/36966; TLX: 896072.
CONTACT: P. L. Bates
**Solvent; crush cap. 1,700MT/day; soy meal and crude degummed oil. Served by truck, barge and ship.**

**VAN DEN BERGHS & JURGENS LTD.** (R SF)
**Affiliate of Unilever Ltd.**
MAIN OFFICE: Sussex House, Burgess Hill,
Civic Way, West Sussex RH15 9AW,
Ph. 4446/46300; TLX: 877381 (VDBJ BH G).
Plants at: Bromborough and Purfleet.
CONTACT: B.P. Backlog, Oils & Fats Mgr.
**Fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck, rail, barge and ship.**

## FEDERAL REPUBLIC OF GERMANY

**NOBLEE & THORL GmbH** (R SF) ★
Seehafenstrasse 24, P.O. Box 901040,
D-2100 Hamburg 90, Ph. 766930;
TLX: 217713 (NOBL D).
CONTACT: R. Bode, Sales Mgr.
**Fully refined, hydrogenated and fractionated oils; shortening, cooking/salad oil. Served by truck, rail, barge and ship.**

**OELMUEHLEN (THOERL) GmbH** (P R SF IP) ★
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
1 Hafenstrasse 15, P.O. Box 901440,
D-2100 Hamburg 90, Ph. 40/771240;
TLX: 217678 (ODMTH D).
CONTACT: Justes Kruger
**Solvent; crush cap. 2,300MT/day; storage cap. 25,000MT. Refining cap. 400MT/day; storage cap. 30,000MT. Soy meal; crude degummed, once refined, fully refined and hydrogenated oil; lecithin, industrial soy oil. Served by truck, rail, barge and ship.**

**OELMUHLE HAMBURG AG** (P R SF) ★
Kohlbrandstrasse 1, P.O. Box 930320,
D-2102 Hamburg 93, Ph. 751941;
TLX: 2163537 (OLAG D).
CONTACT: Arnd von Wissel
**Solvent; crush cap. 5,000MT/day. Soy meal, crude, crude degummed and fully refined soy oil, lecithin and soy flour. Served by truck, rail, barge and ship.**

**OELWERKE SPYCK** (P) ★
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
Post Kleve, P.O. Box 128, D-4190 Spyck,
Ph. 11/49/2821-9041; TLX: 811817 (SPYCK D).
CONTACT: H. Korkish, Plant Mgr.
**Solvent. Soy meal; crude and crude degummed oil. Served by truck and barge.**

**OLMUHLE CONNEMANN GmbH** (P R)
MAIN OFFICE: Sagemuhlenstrasse 45, P.O. Box 1309, D-2950 Leer, Ph. 0491/8002-0; TLX: 27734.
CONTACT: Erich Ulferts (0491/8002-118) or Enno Wolckenhaar (0491/8002-110).

Solvent and continuous screw press; crush cap. 900MT/day. Refining cap. 350MT/day. Soy meal, crude, crude degummed, once refined and fully refined oil. Served by truck, rail, barge and ship.

**OLWERKE NOURY & VAN DER LANDE GmbH** (R SF IP) ★
Industriestrasse 10, P.O. Box 1520,
D-4240 Emmerich/Rhein, Ph. 02822/74341;
TLX: 8125203 (NVL D).
**CONTACT:** F. Kielman, Sales Mgr.
**Fully refined and cooking/salad oil; salad dressing; industrial soy oil; soy sterols and tocopherols; soybean fatty acids. Served by truck, rail and barge.**

**O. & L. SELS** (P R SF IP) ★
Duesseldorfer Str. 99-101, P.O. Box 101348,
D-4040 Neuss/Rhein, Ph. 02101/27990;
TLX: 8517835 (SELS D).
**CONTACT:** Gerhard Struenck or Josef Kerres
**Solvent and continuous screw press; crush cap. 2,100MT/day; storage cap. 27,000MT. Refining cap. 250MT/day; storage cap. 20,000MT. Soy meal; crude, crude degummed, once refined and fully refined oil; cooking/salad oil and salad dressing; industrial lecithin; soy sterols and tocopherols; soybean fatty acids. Served by truck, rail, barge and ship.**

**SOYA MAINZ GmbH & CO. KOMMANDITGESELLSCHAFT** (P R IP) ★
Dammweg 2, P.O. Box 3767, 6500 Mainz,
Ph. 06131/80051; TLX: 4187761 (ASM D).
**CONTACT:** Dieter Berres
**Solvent; crush cap. 2,500MT/day; storage cap. 1,000,000 bu. Refining cap. 300MT/day. Soy meal; hulls; crude degummed and fully refined oil; industrial lecithin and soy oil; soybean fatty acids. Served by truck, rail and barge.**

**C. THYWISSEN** (P R) ★
Industriestrasse 33, P.O. Box 101454,
D-4040 Neuss, Ph. 02101/26041; TLX: 8517803.
**CONTACT:** Matthias Fischer
**Solvent; crush cap. 1,100MT/day; storage cap. 25,000MT. Refining cap. 120MT/day. Soy meal, crude, crude degummed and fully refined oil. Served by truck, rail and barge.**

**UNIMILLS-VEREIN DEUTSCHER OELFABRIKEN** (P R) ★
**Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg**
Bonadiesstrasse 3-5, P.O. Box 2511,
D-6800 Mannheim 1, Ph. 37040; TLX: 0463031.
**CONTACT:** K. Eckert or E. Roer
**Solvent; crush cap. 3,200MT/day; storage cap. 30,000MT. Refining cap. 300MT/day; storage cap. 10,000MT. Soy meal; crude, crude degummed and fully refined oil. Served by truck, rail and barge.**

## FINLAND

**OLJYNPURISTAMO OY** (P SF IP)
Niittaajankatu 1, P.O. Box 15, SF-00811 Helsinki,
Ph. 358/0/780155; TLX: 121518 (OILML SF).
**CONTACT:** P. Karri, Comm. Dir.
**Solvent; storage cap. 367,500 bu. Soy meal; crude degummed oil; lecithin; industrial lecithin and soy oil. Served by truck, rail, barge and ship.**

**TUOTTAJAIN RYPSI OY** (P) ★
MAIN OFFICE: Mikkolantie 1, P.O. Box 80,
00101 Helsinki, Ph. 358/0/7291; TLX: 124660.
Plant at Kouvola.

**TUOTTAJAIN RYPSI OY** (P) ★
Kanervisiontie yy, 45200 Kouvola.
Main office: Helsinki.
**CONTACT:** Erkki Franssila, Mgr. Dir.
(358/0/7291)
**Continuous screw press; crush cap. 200MT/day; storage cap. 1,000MT. Soy cakes (expeller) and crude oil. Served by truck and rail.**

## FRANCE

**COMEXOL S.A.** (P) ★
Quai Alfred de Vial, BP35, 33350 Bassens,
Ph. 33/56/064028; TLX: 541120. Main office: Paris.
**CONTACT:** Bertrand Noel, Dir.
**Solvent; crush cap. 1,100MT/day; storage cap. 50,000MT. Soy meal, hulls, crude degummed oil. Served by truck, rail, barge and ship.**

**COMEXOL S.A.** (P) ★
MAIN OFFICE: 45 Ave. George V, 75008 Paris,
Ph. 33/1/4723-0109; TLX: 614874.
Plant at Bassens.
**CONTACT:** Alain Brinon, Comm. Mgr.

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO)** (P R SF IP) ★
10-12 Rue du General de Gaulle,
62223 Saint-Laurent-Blangy, Ph. 2159-9800;
TLX: 820580 (SIO). Main office: Nanterre.
**CONTACT:** Guy Deneck (4784-4179)
**Soy meal; hulls; animal/livestock feed; fully refined and hydrogenated oil; lecithin; simulated meat products, soy flour; grits; shortening; bread mix; industrial lecithin, soy flour/soy protein and oil. Served by truck, rail and barge.**

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO)** (P R SF IP) ★
MAIN OFFICE: 30 Rue des Peupliers, 92000
Nanterre, Ph. 4784-4179; TLX: 613381 (SOLEAG).
Plant at: Saint-Laurent-Blangy.
**CONTACT:** Guy Deneck

**SOJA FRANCE S.A.** (P) ★
**Affiliate of Cargill, Inc., Minneapolis, MN, USA**
Rua de Yokosuka, 29200 Brest,
Ph. 33/9880-2609; TLX: 940238 (SF BREST).
Main office: St. Germain en Laye.
**CONTACT:** Juan Recasens (33/4066-5266)
**Solvent; crush cap. 1,800MT/day; storage cap. 35,000MT. Soy meal, crude degummed oil. Served by truck, rail and ship.**

**SOJA FRANCE S.A.** (P) ★
**Affiliate of Cargill, Inc., Minneapolis, MN, USA**
Blvd. Leferme, 4460 St. Nazaire,
Ph. 33/4066-5266; TLX: 700941 (SOJA FRAN).
Main office: St. Germain en Laye.
**CONTACT:** Juan Recasens
**Solvent; crush cap. 1,600MT/day; storage cap. 60,000MT. Soy meal, hulls, crude degummed oil. Served by truck, rail and ship.**

**SOJA FRANCE S.A.** (P) ★
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
MAIN OFFICE: 9 Rue Armagis,
78100 St. Germain en Laye, Ph. 33/1/3973-6111;
TLX: 696828 (GRANA).
Plants at: Brest and St. Nazaire.
**CONTACT:** J. L. Lapix, Gen. Mgr.

### GREECE

**ELEOURGIA VORIOU ELLADOS S.A.** (P R)
13, Fragon Str., Thessaloniki 54626,
Ph. 01030/31/525117, 546241 or 536466;
TLX: 412166 (SVE GR).
**CONTACT:** John Voyatzis or Charalambos Voytzis
**Solvent; crush cap. 250MT/day; storage cap. 20,000MT. Refining cap. 120MT/day; storage cap. 6,000MT. Soy meal; crude, crude degummed, fully refined, hydrogenated and fractionated oil. Served by truck.**

**SOYA HELLAS S.A.** (P SF)
48 Voukovrestiov St., Athens,
Ph. 30/1/363-7745, 363-3663 or 360-6889;
TLX: 219074 (SOYA GR). Other plant at: Psacna.
**CONTACT:** K. Tsatsios
**Solvent; crush cap. 500MT/day; storage cap. 22,000MT. Soy meal; crude degummed oil; soy flour. Served by truck, barge and ship.**

**SOYA MILLS S.A.** (P R) ★
9, Valaoritou Str., Athens 10671,
Ph. 01/360-1002; TLX: 0214908 (SOMI GR).
**CONTACT:** E. Karatzas, Sales Mgr.
**Solvent; crush cap. 500MT/day; storage cap. 50,000MT. Refining cap. 80MT/day; storage cap. 5,000MT. Soy meal, crude and fully refined oil. Served by truck and ship.**

### GUATEMALA

**OLMECA S.A.** (P R SF) ★
Km. 16½, Carretera a el Salvador, Apartado
Postal 1463, Guatemala City, Ph. 502/030/1946;
TLX: 6356 (OLMECA).
**CONTACT:** Jose Luna
**Solvent and continuous screw press; crush cap. 200MT/day; storage cap. 8,000MT. Refining cap. 100MT/day; storage cap. 6,000MT. Soy meal; crude degummed, hydrogenated and cooking/salad oil; margarine and shortening. Served by truck.**

### HAITI

**ENTREPRISE NATIONALE DES OLEAGINEUX (ENAOL)** (P R SF IP)
P.O. Box 13460, Delmas, Port-au-Prince,
Ph. 2/0444, 4582 or 4589;
TLX: 2030550 (ENAOL).
**CONTACT:** Wilner Dessources, Gen. Mgr.
**Continuous screw press; crush cap. 650MT/day; storage cap. 12,000MT. Refining cap. 130MT/day; storage cap. 5,000MT. Soy meal; hulls; crude, crude degummed, once refined, fully refined and cooking/salad oil; lecithin; soy flour. Served by truck, barge and ship.**

### HONDURAS

**PROTEINAS Y GRASAS S.A. (PROGRASA)** (P) ★
Apartado T-203, Comayaguela, Ph. 504/320134;
TLX: 1586 (INHALSA).
**CONTACT:** Rene Morales, Pres.
**Solvent; crush cap. 150MT/day; storage cap. 6,000MT. Soy meal and crude oil. Served by rail.**

### INDIA

**ALLANA OIL MILLS** (P R SF IP) ★
MAIN OFFICE: Allana House, 4 Allana Rd.,
G.P.O. Box 997, Bombay 400039,
Ph. 91/22/240115; TLX: 11-3317 or 11-4849
(ALNA IN). Plant at Kalwa.
**CONTACT:** B. Mallik or K.C. Mehta

**ALLANA OIL MILLS** (P R SF IP) ★
Old Thana Belapur Rd., Kalwa, Thana,
Ph. 922-2453 or 922-2456. Main office: Bombay.
**CONTACT:** B. Mallik or K.C. Mehta
(91/22/240115)
**Solvent; crush cap. 100MT/day; storage cap. 4,000MT. Refining cap. 140MT/day; storage cap. 2,000MT. Soy meal; hulls, crude, crude degummed, fully refined and hydrogenated oil; soy flour; grits and industrial soy flour/protein. Served by truck, rail and ship.**

**ALPINE SOLVEX LTD.** (P R SF) ★
MAIN OFFICE: 10-11 Yeshwant Niwas Rd.,
Indore 452003, M.P., Ph. 91/0731/37365;
TLX: 735216 (FOOD IN) or 735378 (ALSO IN).
Branch offices at Bombay and New Delhi.
Plant at Pithampur, M.P.
**CONTACT:** J. Bhandari or M.C. Badami
**Solvent; crush cap. 250MT/day; storage cap. 9,000MT. Refining cap. 40MT/day; storage cap. 400MT. Soy meal; crude, crude degummed, once refined and fully refined oil; white flakes for edible purposes; lecithin; soy flour; grits. Served by truck, rail and ship.**

**BOMBAY EXTRACTIONS LTD.** (P R SF IP) ★
Daya Mandir, 1st Floor, 123-25 Mumbadevi Rd.,
Bombay 400003, Ph. 328259 or 328196;
TLX: 11-75472 (BELL IN).
**CONTACT:** Ketan Karani, Mgr.
**Solvent; crush cap. 100MT/day; storage cap. 2,000MT. Refining cap. 15MT/day; storage cap. 2,500MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil; white flakes for edible purposes; soy flour; grits; cooking/salad oil; industrial soy flour and oil. Served by truck and rail.**

**DIPAK SOLVENT EXTRACTION INDUSTRIES** (P R)
Jawahar Road, Manavadar 362630, Gujarat,
Ph. 267 or 268; TLX: 0169-253 (DISO IN);
**CONTACT:** G. G. Patel
**Solvent; crush cap. 100MT/day; storage cap. 5,000MT. Refining cap. 50MT/day; storage cap. 500MT. Soy meal, fully refined oil. Served by truck.**

**FOODS FATS & FERTILIZERS LTD.** (P R) ★
Tanuku Rd., P.O. Box 15, Tadepalliguden
534101, M.P., Ph. 2571 or 2525; TLX: 041509
(FFF IN).

**CONTACT:** Sushil Goenka, VP Production
**Solvent; soy meal, crude, crude degummed and fully refined oil. Served by truck and rail.**

**KAPIL AGRO LTD.** (P R) ★
MAIN OFFICE: 36, Chowringhee Rd., Calcutta
700071, Ph. 91/33/291758 or 295371; TLX:
021-7412 (IJCA IN). Plant at Narsinghpur, M.P.
**CONTACT:** H.K. Jalan, Dir.

**KAPIL AGRO LTD.** (P R) ★
Kheri-Keda Village, National Hwy. 26,
P.O. Box 23, Narsinghpur 487001, M.P.,
Ph. 294, 295, or 296; TLX: 0765-285 (MPCC IN).
Main office: Calcutta.
**CONTACT:** H. K. Jalan, Dir. (91/33/291758)
**Solvent; crush cap. 150MT/day; storage cap. 5,000MT. Refining cap 25MT/day; storage cap. 400MT. Soy meal; crude, crude degummed, once refined and fully refined oil. Served by truck and rail.**

**KRISHNA OIL EXTRACTIONS PVT. LTD.** (P R) ★
MAIN OFFICE: 14/15 Jaora Compound,
1st Floor, Indore 452001, Ph. 91/731/34773.
Plant at Pachore.
**CONTACT:** O. P. Goel, Dir.

**KRISHNA OIL EXTRACTIONS PVT. LTD.** (P R) ★
A.B. Rd., Pachore, Rajgarh (Biora).
Main office: Indore.
**CONTACT:** O. P. Goel, Dir. (91/731/34773)
**Crush cap. 200MT/day; storage cap. 8,000MT. Refining cap. 40MT/day; storage cap. 400MT. Soy meal, crude and fully refined oil. Served by truck and rail.**

**M.P. OIL EXTRACTION PVT. LTD.** (P R) ★
Malviya Path, P.O. Box 1, Raipur 492001, M.P.,
Ph. 23429 or 25027; TLX: 775215 or 775224
(MPOL IN).
**CONTACT:** Suresh D. Manik, Mgr. Dir. or
Paresh Manik, Tech. Dir.
**Solvent; crush cap. 120MT/day; storage cap. 10,000MT. Refining cap. 50MT/day; storage cap. 500MT. Soy meal, crude and fully refined oil. Served by truck and rail.**

**THE MALWA VANASPATTI & CHEMICAL CO. LTD.** (P R SF IP) ★
Mohatta Nagar, Indore 452003, Ph. 23251;
TLX: 0735-228 (MVCC IN).
**CONTACT:** C.S. Radhakrishnan, Pres.
**Solvent; crush cap. 60MT/day; storage cap. 4,000MT. Refining cap. 100MT/day; storage cap. 400MT. Soy meal; crude, fully refined, hydrogenated and cooking/salad oil; industrial oil; soybean fatty acids. Served by truck, rail and ship.**

**MATUSHRI OIL MILLS LTD.** (P)
Bhadgaon Rd., Pachora 42401, Maharashtra,
Ph. 297. Main office: Bombay.
**CONTACT:** Narendra Kumar Mansingka (225691)
**Continuous screw press; crush cap. 75MT/day; storage cap. 3,000MT. Animal/livestock feed, crude oil. Served by truck and rail.**

**MATUSHRI OIL MILLS LTD.** (P)
MAIN OFFICE: 1111-A, Raheja Chambers,
213 Nariman Point, Bombay 400021,
Ph. 225691 or 225740; TLX: 4953 (MPOL IN).
Plant at: Pachora, Maharashtra.
**CONTACT:** Narendra Kumar Mansingka, Dir.

**NARSINGH EXTRACTION & ALLIED PRODUCTS PVT. LTD.** (P) ★
1282 Gupteshjar Rd., Madan Mahal,
Jabalpur 482001, M.P., Ph. 28542;
TLX: 0765-283 (NEXT IN). Plant at Narsinghpur.
**CONTACT:** L.S. Chhabra
**Solvent; crush cap. 100MT/day. Soy meal and crude oil. Served by truck and rail.**

**NAV MAHARASHTRA CHAKAN OIL MILLS** (P R) ★
42/43, Shankar Sheth Rd., Pune 411037,
Maharashtra, Ph. 66406 or 66407; TLX: 145349
(NMC IN). Main office also at Pune.
**CONTACT:** Shantilal R. Lunkad
**Solvent; crush cap. 200MT/day; storage cap. 10,000MT. Soy meal; animal/livestock feed; crude and fully refined oil. Served by truck and rail.**

**NAV MAHARASHTRA CHAKAN OIL MILLS** (P R) ★
E-6, Kupwad Block, M.I.D.C., Sangli,
Maharashtra, Ph. 5839. Main office: Pune.
**CONTACT:** Subhash Lunkad
**Solvent; crush cap. 100MT/day; storage cap. 4,000MT. Refining cap. 25MT/day; storage cap. 500MT. Soy meal, crude and fully refined oil. Served by truck and rail.**

**NAV MAHARASHTRA CHAKAN OIL MILLS** (P R) ★
MAIN OFFICE: 42/43, Shankar Sheth Rd.,
Pune 411037, Maharashtra, Ph. 66406 or 66407;
TLX: 145349 (NMC IN). Plants at: Pune and
Sangli.
**CONTACT:** Shantilal R. Lunkad

**OLYMPIC OIL INDUSTRIES LTD.** (R)
Bhadgaon Rd., Pachora 424201, Maharashtra,
Ph. 296. Main office: Bombay.
**CONTACT:** Narendra Kumar Mansingka (225691)
**Refining cap. 40MT/day; storage cap. 200MT. Fully refined oil. Served by truck and rail.**

**OLYMPIC OIL INDUSTRIES LTD.** (R)
MAIN OFFICE: 1111-A, Raheja Chambers,
213 Nariman Point, Bombay 400021,
Ph. 225691 or 225740; TLX: 4953 (MPOL IN).
Plant at: Pachora, Maharashtra.
**CONTACT:** Narendra Kumar Mansingka, Mgr.
Dir.

**OSWAL AGRO MILLS LTD.** (P R SF)
Mandideep (Raisen), M.P. Main office: New Delhi.
**CONTACT:** K. L. Jain (01091/11/571-3087)
**Crush cap. 400MT/day; Refining cap. 50MT/day. Soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oil; cooking/salad oil. Served by truck and rail.**

**OSWAL AGRO MILLS LTD.** (P R SF)
MAIN OFFICE: 107-108 Padma Tower-1,
5 Rajindra Place, New Delhi 110008,
Ph. 01091/11/571-5150 or 571-5103;

TLX: 301-61553 (OAM IN). Plants at: Ludhiana, Punjab; Mandideep (Raisen), M.P.
**CONTACT:** K. L. Jain

**PREMIER EXTRACTIONS LTD.** (P R SF)
45/47 A. Industrial Area, A.B. Rd., Dewas, M.P., Ph. 5989, 38705 or 236-854;
TLX: 0735306 (PREM IN). Main office: Indore.
**CONTACT:** G.L. Agrawal (91/0731/5989)
**Solvent; crush cap. 200MT/day; storage cap. 10,000MT. Refining cap. 25MT/day; storage cap. 700MT. Soy meal; hulls; animal/livestock feed; crude, crude degummed, once refined and fully refined oil; white flakes for edible purposes; soy flour; soy grits; cooking/salad oil; soy beverages. Served by truck and rail.**

**PREMIER EXTRACTIONS LTD.** (P R SF)
MAIN OFFICE: 107 Chetak Centre, 12/2 R.N.T. Marg, Indore 452001, M.P., Ph. 91/0731/5989 or 38705; TLX: 735306 (PREM IN). Plant at: Dewas.
**CONTACT:** G.L. Agrawal, R.K. Agrawal or A.N. Patel

**PRESTIGE FOODS LTD.** (P R SF)★
30, Jaora Compound, M.Y.H. Rd., Indore 450021, M.P., Ph. 32075-78 or 4633; TLX: 0735-205 (PFM IN).
**CONTACT:** N.N. Jain, Mgr. Dir.
**Solvent; crush cap. 500MT/day; storage cap. 30,000MT. Refining cap. 75MT/day; storage cap. 2,500MT. Soy meal; white flakes for edible purposes; crude, crude degummed and fully refined oil; lecithin; soy concentrates and isolates; simulated meat products; soy flour. Served by truck and rail.**

**SOYABEAN EXTRACTION PVT. LTD.** (P)★
143 Jolly Maker Chambers Two, 14th Floor,
225 Nariman Point, Bombay 400021,
Ph. 91/22/202-1320; TLX: 11-3078 (UTPA IN).
**CONTACT:** Nitin Goel, Dir.
**Solvent; crush cap. 60MT/day. Soy meal and crude oil. Served by truck, rail and ship.**

**TRI-STAR SOYA PRODUCTS LTD.** (P R SF)★
111-A, Raheja Chambers, 213 Nariman Point, Bombay 400021, Ph. 2045715 or 2045576;
TLX: 11-4953 (MOPL IN).
**CONTACT:** Mahendra Mansingka, Mgr. Dir.
**Solvent; crush cap. 500MT/day; storage cap. 25,000MT. Refining cap. 50MT/day; storage cap. 1,200MT. Soy meal; hulls; crude, crude degummed, once refined, fully refined and cooking/salad oil. Served by truck and rail.**

**UNITED GROUP VENTURE** (P R SF)★
MAIN OFFICE: 20, Barakhambha Rd.,
New Delhi, Ph. 331-6104. Plant at Bhopal.

**UNITED SOY PRODUCTS LTD.** (P R SF)★
**Affiliate of United Group Venture, New Delhi**
E-1/177, Arera Colony, Bhopal 462014, M.P.,
Ph. 64735; TLX: 0705-216 (SICO IN).
Main office: New Delhi.
**CONTACT:** R. K. Dublish
**Solvent; crush cap. 300MT/day; storage cap. 15,000MT. Refining cap. 55MT/day; storage cap. 500MT. Soy meal; crude, fully refined and cooking/salad oil; soy flour. Served by truck and rail.**

**VARDHMAN SOLVENT EXTRACTION INDUSTRIES LTD.** (P R)
**Affiliate of Premier Vegetable Products, Ltd., Jaipur**
Industrial Area, Mhow-Neemuch Rd.,
Jaora 457226, M.P., Ph. 446 or 461;
TLX: 735349 (VSEI IN).
**CONTACT:** S. Ali-Khan or S.N. Saboo
**Solvent, continuous screw press and hydraulic press; crush cap. 150MT/day; storage cap. 10,000MT. Refining cap. 50MT/day; storage cap. 1,000MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil. Served by truck and rail.**

**VIPPY SOLVEX PRODUCTS LTD.** (P R SF IP)★
28, Industrial Area, A.B. Rd., Dewas 455001, M.P., Ph. 2581 or 2582; TLX: 0732-201.
**CONTACT:** Prakash C. Mutha
**Solvent; crush cap. 100MT/day. Refining cap. 70MT/day. Soy meal; crude, crude degummed and fully refined oil; white flakes for edible purposes; soy flour; soy grits; industrial lecithin, soy flour and soy oil. Served by truck and rail.**

**VISHWA OIL PRODUCTS LTD.** (P R)★
MAIN OFFICE: Mansingka Chambers, 258,
Kalbadevi Rd., Bombay 400002,
Ph. 022/315482 or 259291; TLX: 11-6926 (VOPL IN). Plant at Indore.

**VISHWA OIL PRODUCTS LTD.** (P R)★
11-C, Ratlam Kothi, Geeta Bhawan Rd.,
Indore 452001, M.P., Ph. 0731/5786 or 5787;
TLX: 735341 (VOPL IN). Main office: Bombay.
**CONTACT:** Sushil Kumar Mansingka, Mgr. Dir.
**Solvent; crush cap. 200MT/day; storage cap. 3,000MT. Refining cap. 50MT/day; storage cap. 500MT. Soy meal, crude and fully refined oil. Served by truck and rail.**

## IRAN

**SHERKATE SAHAMI ROWGHAN NABATI JAHAN** (P R SF IP)
15 Malekoshoara Bahar Ave., Tehran,
Ph. 21/838036; TLX: 214079 (RNJ IR).
**CONTACT:** Hamid Ghazanfar, Mgr. Dir.
**Solvent; crush cap. 350MT/day; storage cap. 20,000MT. Refining cap. 200MT/day; storage cap. 10,000MT. Soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oil; lecithin; shortening, cooking/salad oil; industrial lecithin and soy flour/soy protein. Served by truck and rail.**

## IRELAND

**WILLIAM CONNOLLY & SONS LTD.** (P IP)★
Red Mills, Goresbridge, Co. Kilkenny,
Ph. 0503/75144; TLX: 66045 (WCSL DI).
**CONTACT:** William Connolly
**Crush cap. 100MT/day; storage cap. 3,000MT. Animal/livestock feed and industrial soy flour. Served by truck, rail and ship.**

**A.W. ENNIS LTD.** (P)
MAIN OFFICE: Ballyconnell, Co. Cavan,
Ph. 049/26104, 26208 or 26158.
Other plant at Dublin.
**CONTACT:** Desmond Ennis, Mgr.
**Jet sploder; crush cap. 40MT/day; storage cap. 250MT. Served by truck.**

### ISRAEL

**BLUE-BAND LTD.** (R SF)
**Subsidiary of Koor Foods Ltd.**
P.O. Box 707, Haifa.
**CONTACT:** Dov Hartal (04/670491)
**Refining cap. 70MT/day; storage cap. 350MT. Fully refined and hydrogenated oil; margarine and shortening. Served by truck and rail.**

**ETZ HAZAYITH LTD.** (P R SF)★
**Subsidiary of Koor Foods Ltd.**
Rehov Shenkar 1, P.O. Box 193, Petah Tikva 49101,
Ph. 03/922-7171; TLX: 341859 (ETZHL IL).
**CONTACT:** U. Sharir, Gen. Mgr.
**Solvent; crush cap. 600MT/day; storage cap. 10,000MT. Refining cap. 600MT/day; storage cap. 10,000MT. Soy meal; hulls; animal/livestock feed; crude, crude degummed, once refined, fully refined and hydrogenated oil; white flakes for edible purposes; lecithin; soy flour and margarine. Served by truck and rail.**

**HAYES ASHDOD LTD.** (P R SF IP)
**Subsidiary of Koor Foods Ltd.**
Habosem St., Industrial Zone, P.O. Box 2230,
Ashdod 77121, Ph. 972/55/24251;
TLX: 371885 (HAYES IL).
**CONTACT:** Tom Klein, Managing Dir.
**Solvent; crush cap. 150MT/day; storage cap. 500MT. Hulls; crude and crude degummed oil; white flakes for edible purposes; lecithin; soy concentrates, isolates; flour; grits; industrial soy flour. Served by truck.**

**IZHAR INDUSTRIES (2000) LTD.** (P R IP)★
MAIN OFFICE: 52, Nachlat St., P.O. Box 823,
Tel Aviv 61007, Ph. 972/03/252444; TLX: 33441
(OCEAN IL). Plant at Ashdod.

**IZHAR INDUSTRIES (2000) LTD.** (P R IP)★
Industry Area "Ad-Halom", P.O. Box 3093,
Ashdod 77130. Ph. 972/055/51143.
**CONTACT:** Michael Mitelman, Mgr.
**Solvent; crush cap. 600MT/day; storage cap. 18,000MT. Refining cap. 100MT/day; storage cap. 4,000MT. Soy meal; crude, crude degummed, fully refined and hydrogenated oil; industrial lecithin. Served by truck.**

**KOOR FOODS LTD.** (P R SF IP)
MAIN OFFICE: P.O. Box 1597, Haifa,
Ph. 04/670491; TLX: 46776 (K FOOD IL).
Plants at: Habosem, Hadera, Haifa and Petah Tikva.
**CONTACT:** Dov Hartal

**MATA FOOD INDUSTRIES LTD.** (R SF)
**Subsidiary of Koor Foods, Ltd.**
P.O. Box 160, Hadera, Ph. 063/65275.
**CONTACT:** Dov Hartal (04/670491)
**Refining cap. 30MT/day; storage cap. 750MT. Margarine, shortening, soy sauce.**

**OLIVEX LTD.** (P R SF)★
25 Rothschild Blvd., P.O. Box 1498,
Tel Aviv 61014, Ph. 972/3/614451;
TLX: 341118 (BXTV IL).
**CONTACT:** Wolf Cegla or Uriel C. Cegla
**Solvent and continuous screw press; crush cap. 600MT/day; storage cap. 3,500MT. Refining cap. 50MT/day; storage cap. 1,200MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil; lecithin. Served by truck.**

**SHEFA PROTEIN INDUSTRY LTD.** (P SF)
**Affiliate of Israel Edible Food Ltd.**
12 Htaasya St., P.O. Box 39, Arad 80700,
Ph. 57/957860 or 958049;
TLX: 5206 (SHEFA IL).
**CONTACT:** Dan Tov, Plant Mgr.
**Soy meal; animal/livestock feed; soy concentrates, isolates; simulated meat products; soy flour; soy grits; whole soybean snacks.**

**SHEMEN INDUSTRIES LTD.** (P R SF)★
**Subsidiary of Koor Foods Ltd.**
2 Tovim St., P.O. Box 136, Haifa 31001,
Ph. 04/670491; TLX: 46776 (K FOOD IL).
**CONTACT:** M. Kalach, Gen. Mgr.
**Solvent; crush cap. 600MT/day; storage cap. 10,000MT. Refining cap. 600MT/day; storage cap. 10,000MT. Soy meal; animal/livestock feed; crude, crude degummed, fully refined and hydrogenated oil; lecithin. Served by truck and rail.**

**TAVLIN LTD.** (P R SF)★
Old Industrial Zone, P.O. Box 36,
Rishon Le-Zion, Ph. 03/948224 or 948225.
**CONTACT:** Itzhak Cohen, Plant Mgr.
**Solvent; crush cap. 300MT/day; storage cap. 1,600MT. Refining cap. 60MT/day; storage cap. 1,000MT. Soy meal; crude degummed, fully refined and cooking/salad oil; lecithin. Served by truck.**

**TETH BETH LTD.** (P R SF)★
3 Galed St., P.O. Box 147, Petah Tikva 49101,
Ph. 972/03/913191; TLX: 34192 (TB IL).
**CONTACT:** Ezra Berger, Mgr. Dir.
**Solvent. Soy meal; crude, crude degummed and hydrogenated oil; lecithin; margarine, shortening, cooking/salad oil. Served by truck.**

### ITALY

**COMPAGNIA CONTINENTALE ITALIANA S.p.A.** (P)★
**Affiliate of Continental Grain Co., USA**
MAIN OFFICE: Via Sassoferrato II, 00197 Rome,
Ph. 39/6/36901; TLX: 610065 (FRIBI I). Plants at:
Ancona and Porto Marghera.
**CONTACT:** Charles L. Nunu

**INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. (ICIC)** (P)★
**Affiliate of Compagnia Continentale Italiana S.p.A.**
Molo Sud Sona Industriale, 60100 Ancona,
Ph. 39/71/55771; TLX: 560035 (ICIC A) or
560866 (ICIC B). Main office: Rome.

**CONTACT:** Charles L. Nunu (39/6/36901)
**Solvent; crush cap. 800MT/day; storage cap. 46,000MT. Soy meal, crude and crude degummed oil. Served by truck and ship.**

**ITALIANA OLII E RISI S.p.A.** (P R SF IP) ★
MAIN OFFICE: Via Romolo Gessi 20,
48100 Ravenna, Ph. 39/0544/31222;
TLX: 551264, 551271 or 550077 (IOR RA).
Plants at: Porto Marghera (Venice); Aprilia (Rome); Porto Corsini (Ravenna).

**ITALIANA OLII E RISI S.p.A.** (P R SF IP) ★
Strada Statale 148, 04011 Aprilia,
Ph. 39/06/920-7441; TLX: 680045 (IOR LT).
Main office: Ravenna.
**CONTACT:** Ing. Sangiorgi
**Solvent; crush cap. 1,000MT/day; storage cap. 40,000MT. Refining cap. 240MT/day; storage cap. 10,000MT. Soy meal; hulls; crude degummed and cooking/salad oil; lecithin; industrial lecithin and oil. Served by truck, rail and ship.**

**ITALIANA OLII E RISI S.p.A.** (P R SF IP) ★
Via Baiona 203, 48010 Porto Corsini,
Ph. 39/0544/446032; TLX: 550077 (IOR RA).
Main office: Ravenna.
**CONTACT:** Geom. Cellini
**Solvent; crush cap. 1,500MT/day; storage cap. 120,000MT. Refining cap. 300MT/day; storage cap. 10,000MT. Soy meal; hulls; crude degummed, fully refined and cooking/salad oil; lecithin; industrial lecithin and oil. Served by truck, barge and ship.**

**ITALIANA OLII E RISI S.p.A.** (P R SF IP) ★
Banchina Molini I8, 30175 Porto Marghera,
Ph. 39/041/989966; TLX: 410253 (IOR VE).
Main office: Ravenna.
**CONTACT:** Dr. Sottira
**Solvent; crush cap. 700MT/day; storage cap. 30,000MT. Refining cap. 150MT/day; storage cap. 4,000MT. Soy meal; hulls; crude degummed, fully refined and cooking/salad oil; lecithin; industrial lecithin and oil. Served by truck, rail, barge and ship.**

**NUOVA SAVMA S.p.A.** (P) ★
**Affiliate of Compagnia Continentale Italiana S.p.A.**
Porto Marghera, Venezia. Main office: Rome.
**CONTACT:** Charles L. Nunu (39/6/36901)
**Solvent; crush cap. 1,000MT/day; storage cap. 55,000MT. Soy meal. Served by truck.**

**S.A.L.O.V. S.p.A.** (R)
Via Moutramito 10, P.O. Box 172, 55405 Viareggio,
Ph. 39/584/49911; TLX: 500137 (SALOV I).
**CONTACT:** Mr. Pelosi
**Refining cap. 300MT/day; storage cap. 1,000MT. Fully refined oil.**

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)** (R SF IP)
Via Senese Romana, 275, C.P. 127,
Castelfiorentino, Ph. 0571/64338; TLX: 570072 (SIO CF I). Main office: Modena.
**CONTACT:** Zini Lugiano, Mgr. Dir.
**Fully refined and cooking/salad oil; soybean fatty acids. Served by truck and rail.**

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)** (R SF IP)
Via Paolo Ferrari, 189, P.O. Box 586 Modena Centro, 41100 Modena, Ph. 059/222571; TLX: 510138 (SIO MO I). Main office also at Modena.
**CONTACT:** Tusini Giuseppe, TLC Mgr.
**Refining cap. 200MT/day; storage cap. 3,000MT. Fully refined and cooking/salad oil; soybean fatty acids. Served by truck and rail.**

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)** (P R SF IP)
Via delle Industrie, 113, 48100 Ravenna,
Ph. 0544/37093. Main office: Modena.
**CONTACT:** Zelocchi Giancarlo (059/222571)
**Solvent; crush cap. 1,400MT/day; storage cap. 40,000MT. Refining cap. 100MT/day; storage cap. 4,000MT. Soy meal; crude degummed oil; lecithin; soy flour; cooking/salad oil; industrial soy flour/soy protein and soy oil. Served by truck, rail, barge and ship.**

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)** (P R SF IP)
MAIN OFFICE: Via le Reiter, 130, 41100 Modena,
Ph. 059/222571; TLX: 510138 (SIO MO I). Plants at. Castelfiorentino, Modena and Ravenna.
**CONTACT:** Giancarlo Zelocchi, Mgr. Dir.

**STAR STABILIMENTO ALIMENTARE S.p.A.** (R SF) ★
Via Matteotti 142, 20041 Agrate Brianza, Milan,
Ph. 039/655-0451; TLX: 330133.
**CONTACT:** Uccelli Giacomo
**Refining cap. 20,000MT/year; storage cap. 3,000MT. Fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck.**

## JAMAICA

**JAMAICA SOYA PRODUCTS INDUSTRIES LTD.** (P R) ★
Rhodon's Pen, P.O. Box 27, Old Harbour,
St. Catherine, Ph. 809/983-2217 or 983-2244.
**CONTACT:** George A. Neita, Gen. Mgr.
**Solvent; crush cap. 300MT/day; storage cap. 10,000MT. Refining cap. 50MT/day; storage cap. 650MT. Soy meal; crude and once refined oil. Served by truck.**

## JAPAN

**FUJI OIL CO. LTD.** (P R SF) ★
MAIN OFFICE: Nihonseimei Midosuji
Hachimancho Bldg., 6-1 Hachimancho,
Minamiku, Osaka 542, Ph. 81/06/213-8151;
TLX: 522-2057 (FUJI OS J).
Plants at: Izumisano City and Kobe.
**CONTACT:** Yukio Miyazawa, Sr. Mgr. Dir.

**FUJI OIL CO. LTD.** (R SF) ★
**Han-Nan Factory**
1-Sumiyoshicho, Izumisano City 598,
Ph. 81/0724/631121. Main office: Osaka.
**CONTACT:** Fuji Oil, Osaka (81/06/213-8151)
**Refining cap. 430MT/day; storage cap. 20,000MT. Fully refined oil; soy isolates; meat analogs; soy flour; margarine, shortening and cooking/salad oil.**

**FUJI OIL CO. LTD.** (P SF)★
**Kobe Factory**
18-24, 2-Chome, Hamanakacho Hyogo-ku,
Kobe 652, Ph. 81/078/652-3215.
Main office: Osaka.
**CONTACT:** Fuji Oil, Osaka (81/06/213/8151)
**Solvent; crush cap. 300MT/day; storage cap. 4,000MT. Soy meal; animal/livestock feed; crude oil; white flakes for edible purposes; meat analogs; soy flour and tofu. Served by truck and barge.**

**HOHNEN OIL CO. LTD.** (P R SF IP)★
MAIN OFFICE: Mitsui Life Insurance Bldg.,
2-3 Ohtemachi, 1-Chome, Chiyoda-ku, Tokyo 100,
Ph. 03/211-6511; TLX: 222-3084 (HONEN J).
Plant at Shimizu.
**CONTACT:** Masaru Okahana, Asst. Mgr., Raw Materials Section.

**HOHNEN OIL CO. LTD.** (P R SF IP)★
**Shimizu Factory**
2 Shinko-cho, Shimizu 424, Ph. 0543/51-2731.
Main office: Tokyo.
**CONTACT:** Main Office
**Solvent; crush cap. 2,000MT/day; storage cap. 90,000MT. Soy meal; animal/livestock feed; crude degummed, once refined, fully refined and cooking/salad oil; lecithin; soy flour; industrial oil; soybean sterols and tocopherols. Served by truck, barge and ship.**

**NIKKA FATS & OILS CO., LTD.** (P R SF IP)★
MAIN OFFICE: Meiji Life Insurance Bldg.,
1-5-16, Edobori, Nishi-ku, Osaka 550,
Ph. 06/441-7431. Plants at: Fukuoka, Nagoya, Osaka and Tokyo.

**NIKKA FATS & OILS CO., LTD.** (P R SF IP)★
1-8-1, Kitahama, Nakamatsu-ku, Kitakyushu 808,
Fukuoka, Ph. 093/761-2635. Main office: Osaka.
**CONTACT:** S. Shirakawa, Plant Mgr.
**Solvent and continuous screw press; storage cap. 15,000MT/day. Refining cap. 400MT/day; storage cap. 7,000MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil; concentrates; soy flour; cooking/salad oil; industrial soy flour and oil; soybean fatty acids. Served by truck, barge and ship.**

**NIKKO OIL MILLS CO. LTD.** (P R SF IP)
MAIN OFFICE: Kowa Hitotsubashi Bldg.,
3-5-1 Nishiki-Cho, Chiyoda-ku, Tokyo 101,
Ph. 81/3/233-3951; TLX: 2224940 (NIKOIL).
Plant at: Mizushima, Kurashiki City.
**CONTACT:** F. Nonaka, Mgr. Dir.
**Solvent; crush cap. 1,400MT/day; storage cap. 46,500MT. Refining cap. 450MT/day; storage cap. 13,500MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil; cooking/salad oil; industrial soy oil. Served by truck, barge and ship.**

**THE NISSHIN OIL MILLS, LTD.** (P R SF IP)★
23-1, Shinkawa 1-Chome, Chuo-ku, Tokyo 104,
Ph. 555-6605. Plants at: Yokohama and Kobe.
**CONTACT:** Takahisa Toyama
**Solvent; crush cap. 3,300MT/day; storage cap. 115,000MT. Soy meal; lecithin; concentrates/isolates; industrial soy flour and oil; soy sterols and tocopherols. Served by truck, rail, barge and ship.**

**SHOWA SANGYO CO., LTD.** (P R SF IP)★
MAIN OFFICE: 2-1, 2 Chome Uchikanda,
Chiyoda-ku, Tokyo 101, Ph. 03/257-2020 or 222-6336. Plants at: Kashima, Kobe and Yokohama.
**CONTACT:** Fumio Kobayashi, Mgr. Oil & Fat Dept.

**SHOWA SANGYO CO., LTD.** (P R SF IP)★
**Kashima Factory**
6 Higashifukashiba Kamisumachi, Kashima-Gun
31401, Ph. 0299/92-1212; TLX: 3658-967.
Main office: Tokyo.
**CONTACT:** Fumio Kobayashi (03/257-2138)
**Solvent; crush cap. 1,570MT/day; storage cap. 101,900MT. Soy meal; animal/livestock feed; white flakes for edible purposes; crude degummed, fully refined and cooking/salad oil; lecithin; soy flour; industrial soy flour. Served by truck, rail, barge and ship.**

**SHOWA SANGYO CO., LTD.** (P R SF IP)★
**Kobe Factory**
5 Mikagehama-ku, Kobe 658, Ph. 078/841-4151;
TLX: 5022-253. Main office: Tokyo.
**CONTACT:** Fumio Kobayashi (03/257-2138)
**Solvent; crush cap. 1,100MT/day; storage cap. 135,000MT. Soy meal; animal/livestock feed; white flakes for edible purposes; crude degummed, fully refined and cooking/salad oil; lecithin; soy flour; industrial soy flour. Served by truck, rail, barge and ship.**

**SHOWA SANGYO CO., LTD.** (R SF IP)★
**Tsurumi Factory**
5-39 Daikokuchou, Tsurumiku, Yokohama 230,
Ph. 045/503-2281; TLX: 3822-744.
Main office: Tokyo
**CONTACT:** Fumio Kobayashi (03/257-2138)
**Fully refined oil and cooking/salad oil; soy flour; industrial soy flour. Served by truck, rail and barge.**

**TOYO OIL MILLS CO. INC.** (P R SF IP)★
**Subsidiary of Ajinomoto Co. Inc., Tokyo**
230-ban Shinminato, Chiba-shi 260,
Ph. 0472/41-1251.
**CONTACT:** Tasuku Oshima, Supt.
**Solvent; crush cap. 3,000MT/day; storage cap. 83,000MT. Refining cap. 720MT/day; storage cap. 10,000MT. Soy meal; hulls; crude degummed and once refined oil; white flakes for edible purposes; lecithin; soybean fatty acids. Served by truck, barge and ship.**

**UEDA OILS & FATS MANUFACTURING CO. LTD.** (R SF)
17, Uozakihama-machi, Higashinada-ku,
Kobe 658, Ph. 81/078/451-2361;
TLX: 5622-238 (WAYDER J).
**Refining cap. 30MT/day; storage cap. 1,000MT. Fully refined oil; margarine, shortening. Served by truck.**

## KOREA

**CHEIL SUGAR & CO. LTD.** (P R SF IP)★
MAIN OFFICE: Dong Bang Main Bldg.,
17th Floor, 150, 2-Ka, Taepyung-Ro, Chung-ku,
Seoul 100, Ph. 02/7518-514;
TLX: 29359 (CHESUCO K). Plant at: Inchon.
**CONTACT:** J.H. Kim, Gen. Mgr.

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Bunge is one of the nation's leading exporters of soybeans, soybean oil and soybean meal. Because we do such a large volume of business, we're in the market for soybeans 365 days a year. And we pay the best possible price for your beans—by the truckload or by the carload!

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**CHEIL SUGAR & CO. LTD.** (P R SF IP)★
64, 3-Ka, Shinheung-dong, Chung-ku, Inchon,
Ph. 032/884-2571. Main office: Seoul.
**CONTACT:** K.W. Ahn
**Solvent; crush cap. 1,200MT/day; storage cap. 20,000MT. Refining cap. 250MT/day; storage cap. 6,500MT. Soy meal, hulls, animal/livestock feed; crude, crude degummed, once refined and fully refined oil; white flakes for edible purposes; lecithin; soy flour; grits; cooking/salad oil; industrial lecithin; soybean fatty acids. Served by truck and ship.**

**DONG BANG CORPORATION**
(P R SF IP)★
MAIN OFFICE: 2, 4-Ka, Yangpyong-dong,
Yungdungpo-ku, C.P.O. Box 3031, Seoul 150,
Ph. 82/02/676-9121; TLX: 27334 (DBCORP).
Plants at: Chinhae and Incheon.
**CONTACT:** Jang Hong Yoo, Dir.

**DONG BANG CORPORATION** (P R SF IP)★
468 Yi-dong, Chinhae, Kyungnam 602,
Ph. 82/0553/22161. Main office: Seoul.
**CONTACT:** Jang Hong Yoo (82/02/676-9121)
**Solvent; crush cap. 1,225MT/day; storage cap. 46,000MT. Refining cap. 270MT/day; storage cap. 7,600MT. Soy meal; animal/livestock feed; crude, crude degummed and fully refined oil; white flakes for edible purposes; soy flour; cooking/salad oil; industrial lecithin, soy flour/soy protein; soybean fatty acids. Served by truck and ship.**

**DONG BANG CORPORATION** (P R SF IP)★
178-116, Gajwa-Dong, Puk-Ku, Incheon 160,
Ph. 82/032/862-4581. Main office: Seoul.
**CONTACT:** Jang Hong Yoo (82/02/676-9121)
**Solvent; crush cap. 1,000MT/day; storage cap. 24,000MT. Refining cap. 200MT/day; storage cap. 4,000MT. Soy meal; animal/livestock feed; crude, crude degummed and fully refined oil; white flakes for edible purposes; soy flour; cooking/salad oil; industrial lecithin, soy flour/soy protein; soybean fatty acids. Served by truck and ship.**

**SAM YANG FOODS CO., LTD.** (P R)★
MAIN OFFICE: 51-1 Soosong-dong, Chong-Ro-ku,
Seoul 110, Ph. 02/735-8951 or 733-0166;
TLX: 23275 (SAMYANG). Plant at: Incheon.
**CONTACT:** Byung Wook Lee, Pres.

**SAM YANG OIL & FEED CO. LTD.** (P R)★
45, 7-Ka, Hang-dong, Chung-ku, Incheon.
Main office: Seoul.
**CONTACT:** Seoul office (02/735-8951 or
733-0166)
**Solvent; crush cap. 700MT/day; storage cap. 15,000MT. Refining cap. 120MT/day; storage cap. 4,000MT. Soy meal, crude degummed and fully refined oil. Served by truck.**

### KUWAIT

**KUWAIT FLOUR MILLS CO. SAK** (P R SF)★
Jamal Abdulnasser St., P.O. Box 681,
Safat 13007, Ph. 841866;
TLX: 22209 (MATAHEN KT).
**CONTACT:** Marketing Mgr.
**Solvent; crush cap. 75MT/day; storage cap. 15,000MT. Refining cap. 50MT/day; storage cap. 10,000MT. Soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oil; shortening and cooking/salad oil. Served by truck and ship.**

### MALAYSIA

**DINDINGS SOYA & MULTIFEEDS SDN. BHD.** (P)★
**Affiliate of Malayan Flour Mills Berhad**
Wisma MCA, 10th Floor, Jalan Ampang,
50450 Kuala Lumpur, Ph. 0060/03/261-9055;
TLX: 32130 (SOYA MA). Other plants at: Johor,
Malacca, Perak and Kota Bharu.
**CONTACT:** Teh Wee Chye, Gen. Mgr.-Projects
**Continuous screw press; crush cap. 70MT/day. Animal/livestock feed. Served by truck and ship.**

**SOON SOON OIL MILLS SDN. BHD.** (P R SF)★
Plot 94, Lorong Perusahaan Dua, Prai Industrial
Estate, P.O. Box 300, 12720 Butterworth, 13600
Prai, Ph. 04/307277; TLX: 40774 (SSOON MA).
**CONTACT:** Neoh Soon Bin
**Solvent; crush cap. 400MT/day; storage cap. 21,000MT. Refining cap. 100MT/day; storage cap. 2,500MT. Soy meal; crude degummed, fully refined and cooking/salad oil. Served by truck and ship.**

### MEXICO

**ACEITE CASA S.A. DE C.V.** (P R SF IP)
Ave. Ceylon No. 793, Fracc. Industrial Vellejo,
02300 Mexico D.F., Ph. 5/567-9322;
TLX: 0177-1716 (CASA ME).
**CONTACT:** Enrico Cusi, Pres.
**Crush cap. 200-250MT/day; storage cap. 35,000MT. Refining cap. 300MT/day; storage cap. 4,000MT. Soy meal; hulls; animal/livestock feed; white flakes for edible purposes; crude and fully refined oil; cooking/salad oil; industrial soy flour/protein; industrial soy oil. Served by truck and rail.**

**ACEITERA TAPATIA S.A. DE C.V.** (P)★
**Affiliate of Thomas Limon Inc.**
Cerezo No. 1221, Col. del Fresno, Guadalajara,
Jalisco 44900, Ph. 121768 or 121769. Main office
also at Guadalajara.
**CONTACT:** Tomas Limon
**Solvent and continuous screw press; crush cap. 200MT/day. Soy meal, hulls, animal/livestock feed, crude oil. Served by truck, rail and ship.**

**ACEITES Y DERIVADOS DEL PACIFICO S.A. DE C.V.** (P IP)★
**Affiliate of GRUPO RAGASA**
Nogales Km. 2125, P.O. Box 312,
Carretera Hermosillo, Sonora 83000,
Ph. 01152/621/42215; TLX: 58854 (AYDP ME).
Main office: Monterrey, Nuevo Leon.
**CONTACT:** Enrique R. Garcia (01152/83/515700)
**Solvent; crush cap. 250MT/day; storage cap. 30,000MT. Crude oil; industrial soy flour and oil. Served by truck and rail.**

**ACEITES Y PROTEINAS EL CALVARIO S.A. (APECSA)**(P R)★
Km. 8½, Carretera Tehuacan-Teotitlan,
P.O. Box 88, Tehuacan 75700, Ph. 238/30200;
TLX: 1762057 (APEC ME).
Other office: Mexico City.

**CONTACT:** Arturo Gonzalez Rodriguez,
Gen. Mgr.
**Solvent; crush cap. 600MT/day. Refining cap. 110MT/day. Soy meal; crude, crude degummed and fully refined oil. Served by truck.**

**ACEITES VEGETALES FINOS S.A. DE C.V.** (R) ★
**Affiliate of GRUPO RAGASA**
Nueva Carretera Al Salto Km. 9,
P.O. Box 1-3252, El Salto (Guadalajara),
Jalisco 44100, Ph. 01152/36/393104;
TLX: 682067 (AVEF ME).
Main office: Monterrey, Nuevo Leon.
**CONTACT:** Enrique R. Garcia (01152/83/515700)
**Refining cap. 100MT/day; storage cap. 65,000MT. Fully refined oil. Served by truck.**

**DERIVADOS DE OLEAGINOSAS DEL VALLE S.A. DE C.V.** (R SF IP)
**Affiliate of Molinos Union del Yaqui S.A. de C.V.**
Av. Miguel Aleman No. 703 Sur, Altos,
P.O. Box 356, Ciudad Obregon, Sonora 85000,
Ph. 5/641/52270; TLX: 552813 (MUY ME).
**CONTACT:** Ramon Rivera, Gen. Mgr.
**Refining cap. 90MT/day; storage cap. 1,500MT. Once refined and fully refined oil; lecithin; industrial lecithin, soy oil and soybean fatty acids. Served by truck and rail.**

**RAUL GARCIA Y CIA., S.A. DE C.V. (GRUPO RAGASA)** (P R IP) ★
MAIN OFFICE: Av. Ruiz Cortines 257 Pte.,
P.O. Box 45, Monterrey, Nuevo Leon 64000,
Ph. 01152/83/515700; TLX: 382648 (RAGA ME).
Plants at: Guadalajara, Guadalupe, Hermosilla and Monterrey.
**CONTACT:** Enrique R. Garcia, Director

**RAUL GARCIA Y CIA., S.A. DE C.V. (GRUPO RAGASA)** (P IP) ★
Av. Ruiz Cortines 257 Pte., P.O. Box 45,
Monterrey, Nuevo Leon 64000,
Ph. 01152/83/515700; TLX: 382648 (RAGA ME).
Main office also at Monterrey.
**CONTACT:** Enrique R. Garcia, Director
**Solvent; crush cap. 750MT/day; storage cap. 60,000MT. Crude oil; industrial soy flour and soy oil. Served by truck and rail.**

**INDUSTRIAL DE ALIMENTOS S.A.** (P SF IP) ★
Poniente 146, No. 789, 02300 Mexico D.F.,
Ph. 905/567-4022.
**CONTACT:** Antonio Mouret, Sales Mgr.
**Solvent; crush cap. 15MT/day; storage cap. 300MT. Crude oil, white flakes for edible purposes, meat analogs, soy flour, grits, soy beverages, industrial soy flour and oil. Served by truck.**

**INDUSTRIAL JABONERA LA ESPERANZA S.A. DE C.V.** (P)
Frente Estacion de los Ferrocarriles,
P.O. Box 7/8, Gomez Palacio, Durango 35000,
Ph. 17/141061; TLX: 32877 (LESA ME).
**CONTACT:** Aureliano Alatorre, Gen. Mgr.
**Solvent; crush cap. 125MT/day; storage cap. 10,000MT. Soy meal, crude oil. Served by truck and rail.**

**INDUSTRIAS CONASUPO S.A. DE C.V. (ICONSA)** (P R SF) ★
MAIN OFFICE: Valencia No. 36, Esquina Con Cadiz, Colonia, Insurgentes Mixcoac, Mexico D.F. 03920, Ph. 91/1/563-3571 or 563-0413;
TLX: 177-7536 (ICON ME). Plants at: Rio Colorado, Sonora; Ciudad Obregon, Sonora; Tultitlan, Edo. Mexico; Monterrey, Nuevo Leon.
**CONTACT:** Nicolas Badin

**INDUSTRIAS CONASUPO S.A. DE C.V. (ICONSA)** (P R SF) ★
Km. 11½ Carretera a San Luis, Rio Colorado,
Sonora, Ph. 91/65/618761; TLX: 569802 (ICMX ME). Main office: Mexico, D.F.
**CONTACT:** Eduardo J. Bejarano (91/65/618761) or Nicolas Badin (91/1/563-3571)
**Solvent and continuous screw press; crush cap. 450MT/day; storage cap. 35,000MT. Refining cap. 250MT/day; storage cap. 12,000MT. Soy meal; hulls; crude, refined and hydrogenated oil; cooking/salad oil. Served by truck and rail.**

**INDUSTRIAS CONASUPO S.A. DE C.V. (ICONSA)** (P R SF) ★
Km. 33½ Carretera Mexico-Queretaro, Tultitlan
54900, Ph. 97/5/872-1677 or 565-4210;
TLX: 171307 (ICON ME). Main office: Mexico, D.F.
**CONTACT:** Gerencia de Ventas
**Solvent; crush cap. 1,000MT/day; storage cap. 112,000MT. Refining cap. 300MT/day; storage cap. 23,000MT. Soy meal; hulls; shortening; cooking/salad oil. Served by truck and rail.**

**INDUSTRIAS CONASUPO S.A. DE C.V. (ICONSA)** (P)
Km. 1846, Carrata Internacional, Zone Ind. 2,
Apdo Postal 532, Ciudad Obregon, Sonora 85000,
Ph. 91/641/33588 or 91/641/49595, TLX: 552822 (ICOB ME). Main office: Mexico, D.F.
**CONTACT:** Francisco Martinez
**Solvent; crush cap. 600MT/day; storage cap. 48,000MT. Soy meal, animal/livestock feed, crude and crude degummed oil. Served by rail.**

**THOMAS LIMON INC.** ★
MAIN OFFICE: Av. Parque Juan Diego 543,
Chapalita, Guadalajara, Ph. 36/217701.
Plant also at Guaralajara.

**MOLINOS UNION DEL YAQUI S.A. DE C.V.** (P)
Av. Miguel Aleman No. 701 Sur, P.O. Box 327,
Ciudad Obregon, Sonora 85000,
Ph. 5/641/46700 or 43900; TLX: 55813 (MUY ME).
**CONTACT:** Ramon Rivera, Gen. Mgr.
**Solvent and continuous screw press; crush cap. 500MT/day; storage cap. 130,000MT. Soy meal, hulls, crude and crude degummed oil. Served by truck and rail.**

**NEGOCIACION INDUSTRIAL SANTA LUCIA S.A. DE C.V.** (P R SF) ★
Av. Heroes de Nocupetaro No. 1022, P.O. Box
77, Morelia, Michoacam 58130, Ph. 451/20175;
TLX: 69644 (NISL ME).

**CONTACT:** Ramon Flores
**Solvent and continuous screw press; crush cap. 110MT/day; storage cap. 7,500MT. Refining cap. 65MT/day; storage cap. 1,400MT. Soy meal; crude, fully refined and hydrogenated oil; shortening. Served by truck and rail.**

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V.** (P R SF IP) ★
Manuel Gonzalez No. 165, Col. Atlampa,
Mexico, D.F. 06450, Ph. 90/5/583-4022; TLX:
1772498 (POLA ME). Other plants at: Ciudad
Obregon, Sonora; Matamoros, Tamaulipas.
**CONTACT:** Diego Gutierrez, Production Mgr.
**Solvent; crush cap. 900MT/day; storage cap. 80,000MT. Refining cap. 140MT/day; storage cap. 6,000MT. Soy meal; hulls; crude degummed, once refined, hydrogenated and fractionated oil; white flakes for edible purposes; lecithin; isolates; soy flour; shortening; cooking/salad oil; industrial lecithin, soy flour and oil. Served by truck and rail.**

**PROTEINAS NATURALES S.A. DE C.V.** (P IP) ★
**Affiliate of GRUPO RAGASA**
Frente A Km. 502 Via Tampico-Monterrey,
P.O. Box 45, Guadalupe, Nuevo Leon,
Ph. 01152/83/792286; TLX: 383258 (PRON ME).
Main office: Monterrey, Nuevo Leon.
**CONTACT:** Alejandor Garcia, Gen. Mgr.
**Solvent; crush cap. 1,000MT/day; storage cap. 55,000MT. Soy meal, hulls, crude oil; industrial soy flour and oil. Served by truck and rail.**

## MOROCCO

**LES HUILERIES DE MEKNES** (R) ★
Quartier Sidi Said, 2021 Meknes, Ph. 212/5/31482;
TLX: 31034 (HUIL MEK).
**CONTACT:** Eddaoudi Hassan, Mgr. Dir.
**Refining cap. 120MT/day; storage cap. 6,000MT; fully refined oil. Served by truck and ship.**

**SOCIETE D'EXPLOITATION DES PRODUITS OLEAGINEUX (SEPO)** (P R) ★
2 Rue Caporal Corbi, B.P. 3094, Casablanca,
Ph. 241096 or 241097; TLX: 25076.
**CONTACT:** Mohamed Ali Boukhrissi, Dir.
**Solvent; crush cap. 350MT/day. Refining cap. 100MT/day. Soy meal; crude and fully refined oil. Served by truck.**

## NETHERLANDS

**A.D.M. EUROPOORT** (R SF) ★
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
Elbeweg 125, Europoort Rd., 3198 LC Europoort,
Ph. 31/1819/63055; TLX: 29662.
**CONTACT:** Wim Groenenboom
**Crude degummed, once refined, fully refined and hydrogenated oil; lecithin; isolates; soy flour and grits.**

**CARGILL B.V.** (P R SF IP) ★
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
Coenhavenweg 2, P.O. Box 8074,
1013BL Amsterdam, Ph. 31/020/580-1911

**CONTACT:** George Henni
**Solvent; crush cap. 3,300MT/day. Refining cap. 500MT/day. Soy meal; hulls; white flakes for edible purposes; crude degummed, once refined, fully refined oil; soy flour; grits; cooking/salad oil; industrial flour and oil; soy sterols and tocopherols; fatty acids. Served by truck, rail, barge and ship.**

**CENTRAL SOYA UTRECHT B.V.** (P) ★
**Affiliate of Central Soya Company Inc.,**
**Fort Wayne, IN, USA**
Everard Meijsterlaan 3, P.O. Box 8048,
3533 CK Utrecht, Ph. 31/30/938141;
TLX: 844-47479 (CSUT NL).
**CONTACT:** E. G. Van Korlaar
**Solvent; cap. 1,700MT/day; storage cap. 2,000MT. Soy meal; hulls; crude and crude degummed oil. Served by truck and barge.**

**UNILEVER N.V.** (P R SF IP) ★
MAIN OFFICE: Burg s'Jacobplein 1, P.O. Box 760,
3000 DK Rotterdam, Ph. 31/10/4644573;
TLX: 21415 (UNIL NL). Plants at Wormerveer
and Zwijndrecht.

**UNIMILLS B.V.** (P R SF IP) ★
**Affiliate of Unilever N.V., Rotterdam**
Lindtsedijk 8, P.O. Box 18, 3330 AA Zwijndrecht,
Ph. 31/78/109911; TLX: 29031 (UMIL NL).
Main office at Rotterdam.
**CONTACT:** W. F. Scotland, Mgr.
**Solvent; crush cap. 600MT/day; storage cap. 11,100MT. Refining cap. 430MT/day. Soybean hulls; crude degummed, once refined and fully refined oil; lecithin; concentrates; industrial lecithin. Served by truck, barge and ship.**

## NORWAY

**A/S DENOFA OG LILLEBORG FABRIKER** (P R SF IP) ★
Sandakerveien 56, P.O. Box 4236, 0401 Oslo 4,
Ph. 47/02/220050; TLX: 71181.
**CONTACT:** Odd R. Bjornstad, Sales Dir.
**Solvent; crush cap. 900MT/day; storage cap. 30,000MT. Refining cap. 170MT/day; storage cap. 20,000MT. Soy meal; crude, crude degummed, fully refined and hydrogenated oil; lecithin; industrial lecithin, soy oil; fatty acids. Served by truck and ship.**

## PAKISTAN

**CAKE AND OIL PRODUCTS PVT. LTD.** (P) ★
MAIN OFFICE: United Bank Bldg., 2nd Floor,
Chundrigar Rd., Karachi 042, Ph. 92/021/229228
or 234342; TLX: RCA 25728 (HYDRI PK).
Plant at: Nawabshah.
**CONTACT:** Altaf Husein Anvarali, Dir.

**CAKE AND OIL PRODUCTS PVT. LTD.** (P) ★
Bucheri Rd. off Gazi Ahmed Rd., P.O. Box 15,
Nawabshah, Ph. 92/0241/2456 or 3180.
Main office: Karachi.
**CONTACT:** Altaf Husein Anvarali
(92/021/229228)
**Solvent; crush 100MT/day; storage cap. 10,000MT. Soy meal and crude oil. Served by truck.**

**SPINZER INDUSTRIES LTD.** (R SF)★
Industrial Estate, Jamrud Rd., Peshawar,
N.W.F.P., Ph. 0521/50690 or 50609.
**CONTACT:** G. M. Yousafzai, Mgr. Dir.
Refining cap. 70MT/day; storage cap. 2,000MT. Hydrogenated oil and shortening. Served by truck.

## PANAMA

**COMPANIA PANAMENA DE ACEITES S.A.** (R SF)★
Via Domingo Diaz, P.O. Box 6-2396, El Dorado,
Panama City, Ph. 20-1006;
TLX: 3683553 (ACEITES).
**CONTACT:** Sales Dept.
Refining cap. 65MT/day; storage cap. 4,400MT. Fully refined and hydrogenated oil, margarine, shortening, cooking/salad oil. Served by truck.

## PERU

**INDUSTRIAL PERU PACIFICO S.A.** (R SF)
Jr. Miro Quesada #260, 4° Piso, Apartado 2296,
Lima, Ph. 283240; TLX: 25051 (COTMO PE).
**CONTACT:** Alvaro del Solar Naranjo, Gen. Mgr.
Refining cap. 190MT/day; storage cap. 3,000MT. Margarine, shortening, cooking/salad oil. Served by truck.

## PORTUGAL

**COMPANHIA DE OLEAGINOSAS DO TEJO SARL (TAGOL)** (P)
Av. Republica 44-7°, 1000 Lisbon, Ph. 767521,
767522 or 767532; TLX: 14187 (TAGOL P).
**CONTACT:** Fernando Caldeira, Commercial Dir.
Solvent; crush cap. 2,100MT/day; storage cap. 60,000MT; soy meal, crude degummed oil. Served by truck, barge and ship.

**PRODUTORA E REFINADORA DE OLEOS SARL (PRAZOL)** (R IP)
**Affiliate of Fabricas Vasco da Gama, Matosinhos**
Rua Poeta Joao Ruiz, 1, 6000 Castelo Branco,
Ph. 351/72/21563 or 21549.
**CONTACT:** Domingos Silva
Refining cap. 35MT/day; storage cap. 1,000MT. Fully refined oil, industrial soy oil. Served by truck.

**PRODUTORA E REFINADORA DE OLEOS SARL (PRAZOL)** (P R IP)
**Affiliate of Fabricas Vasco da Gama, Matosinhos**
Av. Bernadino Machado-Formariz, P.O. Box 52,
4480 Vila do Conde, Ph. 351/52/620897;
TLX: 23838 (PRAVIC).
**CONTACT:** Fernando Cunha, Plant Dir.
Solvent; crush cap. 600MT/day; storage cap. 15,000MT. Refining cap. 100MT/day; storage cap. 5,000MT. Soy meal; crude degummed and fully refined oil; industrial lecithin and soy oil. Served by truck and ship.

**SOCIEDADE IBERICA DE OLEAGINOSAS SARL (IBEROL)** (P SF)
Quinta da Hortinha, Alhandra, Ph. 250-0521.
Main office: Lisbon.
**CONTACT:** Main office, Lisbon (888176)
Solvent; soy meal, crude oil and lecithin. Served by truck, rail and ship.

**SOCIEDADE IBERICA DE OLEAGINOSAS SARL (IBEROL)** (P SF)
MAIN OFFICE: Av. Frei Miguel Contreiras,
54-A, 3°, Apartado 5109, 1702 Lisbon,
Ph. 888176; TLX: 12422 (IBEROL P).
Plant at: Alhandra.
**CONTACT:** Export Director

**SOCIEDADE NACIONAL DE SABOES LDA.** (P R IP)★
Rua de Marvilla, 151, Apartado 2270,
1107 Lisbon, Ph. 351/01/381571 or 382005;
TLX: 18474 (SABOES P).
**CONTACT:** Armando G. Antunes
Solvent; crush cap. 300MT/day; storage cap. 8,000MT. Refining cap. 180MT/day; storage cap. 4,000MT. Soy meal; crude and fully refined oil; animal/livestock feed; industrial soy protain and oil. Served by truck and ship.

## SINGAPORE

**SIME DARBY EDIBLE PRODUCTS LTD.** (R)
255 Jalan Boon Lay, P.O. Box 50,
Singapore 9161, Ph. 264-3733 or 265-1833;
TLX: 24070 (SIMTRADE) or 35622 (ARA).
**CONTACT:** C.Y. Yap, Billy Tan or N.J. Tham
Refining cap. 100MT/day; storage cap. 5,000MT. Crude degummed, once refined, fully refined and hydrogenated oil. Served by truck and ship.

## SPAIN

**ACEITES Y PROTEINAS S.A. (ACEPROSA)** (P R SF IP)★
Repelega, S/N°, P.O. Box 6, 48920 Portugalete,
Vizcaya, Ph. 94/4965111;
TLX: 32753 (ACEPR E).
**CONTACT:** Juan Leguina, Sales Mgr.
Solvent and continuous screw press ; crush cap. 1,800MT/day; storage cap. 60,000MT. Refining cap. 250MT/day; storage cap. 15,000MT. Soy meal, crude degummed and fully refined oil, lecithin, soy flour, cooking/salad oil, industrial soy flour. Served by truck, rail and ship.

**COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS S.A. (CINDASA)** (P R)★
**Affiliate of Cargill, Inc.**
**Minneapolis, MN, USA**
MAIN OFFICE: Avda. de los Madronos, 31,
28043 Madrid, Ph. 34/1/759-2500; TLX: 22080
(DINSO). Plants at: Barcelona, Puebla de la
Calzada, Reus, Sevilla and Tarragona.
**CONTACT:** Javier Losantos, Asst. Gen. Mgr.
Solvent plants; total crush cap. 4,200MT/day. Total refining cap. 500MT/day. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil. Served by truck, rail and ship.

**KELSA S.A.** (P R SF)★
El Burgo, P.O. Box 582, 15080 La Coruna,
Ph. 981/661150; TLX: 82142 (KELSA E).

CONTACT: Ramon P. Gorospe, Sales Mgr.
**Solvent; crush cap. 1,000MT/day; storage cap. 25,000MT. Refining cap. 90MT/day; storage cap. 8,000MT. Soy meal, crude and fully refined oil, lecithin, soy flour. Served by truck and rail.**

**OLEAGINOSAS ESPANOLAS S.A. (OESA)** (P SF IP)★
MAIN OFFICE: Nunez de Balboa, 108,
P.O. Box 2426, 28006 Madrid,
Ph. 34/1/411-4613; TLX: 45302 or 46918 (OLEA E).
Plant at: Barcelona.

**OLEAGINOSAS ESPANOLAS S.A. (OESA)** (P SF IP)★
Puerto de Barcelona, Muelle de Contradique s/n,
P.O. Box 22270, 08004 Barcelona,
Ph. 34/3/318-8036; TLX: 52612 or 50831 (OLEA E).
Main office: Madrid.
CONTACT: Jose Ferrer Berta
**Solvent; crush cap. 2,800MT/day; storage cap. 40,000MT. Soy meal; hulls; crude degummed oil; lecithin; industrial lecithin and oil. Served by truck, rail and ship.**

**SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA)** (P R SF IP)★
MAIN OFFICE: Plaza de Chamberi, 8,
7th Floor, 28010 Madrid, Ph. 34/1/447-3013;
TLX: 27216 (SIMSA E).
CONTACT: Ignacio Aritio
**Solvent and continuous screw press; crush cap. 2,000MT/day; storage cap. 200,000 bu. Refining cap. 100MT/day; storage cap. 10,500MT. Soy meal; hulls; crude, crude degummed, fully refined and cooking/salad oil; lecithin; industrial lecithin. Served by truck, rail and ship.**

### SWITZERLAND

**OLEIFICIO SABO** (P R)★
Via dei Solari 2, P.O. Box 3327, CH-6900 Lugano,
Ph. 0041/91/234461; TLX: 79453 (SABO CH).
CONTACT: Giancarlo Bordoni, Gen. Mgr.
**Solvent; crush cap. 30MT/day; storage cap. 4,000MT. Refining cap. 20MT/day; storage cap. 2,000MT. Animal/livestock feed, crude and fully refined oil. Served by truck and rail.**

**SAIS** (P R SF IP)★
**Affiliate of Unilever N.V., Rotterdam**
MAIN OFFICE: Forrlibuckstrasse 10,
CH-8031 Zurich, Ph. 01/278-4211; TLX: 822752
(SAIS ZH). Plants at: Horn and Steffisburg.
CONTACT: Walter H. Hefti, Chrmn.
**Solvent and continuous screw press. Soy meal; crude, crude degummed, fully refined, hydrogenated and fractionated oil; margarine, shortening, cooking/salad oil and salad dressing; industrial soy oil; soybean fatty acids. Served by truck and rail.**

### TAIWAN

**FONG-MAO INDUSTRIES CO. LTD.** (P R SF IP)★
No. 42-13 Houpi Village, Houpi, Tainan 73101,
Ph. 886/6/687-111.
CONTACT: K. Y. Lin, Gen. Mgr.
**Solvent; crush cap. 250MT/day; storage cap. 7,200 MT. Refining cap. 45MT/day; storage cap. 3,000MT. Animal/livestock feed; crude, crude degummed and once refined oil; soy flour; salad dressing; industrial soy flour. Served by truck and rail.**

**FWU SOW GRAIN PRODUCTS CO., LTD.** (P R SF IP)
**Taichung Harbor Plant**
98, Zih-Cheon Rd., Wu-Chih,
Taichung Hsien 43306, Ph. 886/046/393111;
TLX: 22237 (FWUSOW).
Main office: Sha-Tyan Rd., Taichung.
CONTACT: Chia Yuh Trading Co. Ltd.,
70, Ningpo St., Taipei.
**Hydraulic press; crush cap. 850MT/day; storage cap. 25,000MT. Refining cap. 170MT/day; storage cap. 25,000MT. Animal/livestock feed; crude, crude degummed, once refined, fully refined oil; lecithin; soy flour, cooking/salad oil; industrial soy flour/soy protein. Served by truck.**

**FWU SOW GRAIN PRODUCTS CO., LTD.** (P R SF IP)
MAIN OFFICE: 45, Sha-Tyan Rd.,
Sha-Lu 43306, Taichung, Ph. 886/046/362111;
TLX: 22237 (FWUSOW).
Plant at: Zih-Cheon Rd., Taichung Hsien.

**GREAT WALL ENTERPRISE CO., LTD.** (P R SF)★
No. 3, Niao-Sung 2nd St., Niao-Sung Village,
Yung-Kung Hsiang, Tainan Hsien 71004,
Ph. 06/253-1111; TLX: 71351 (GREATAL).
CONTACT: John C.J. Ou, Mgr.
**Solvent; crush cap. 250MT/day. Refining cap. 200MT/day; storage cap. 2,000MT. Soy meal; animal/livestock feed; crude, crude degummed, once refined, fully refined and cooking/salad oil. Served by truck and rail.**

**HSIAO-KANG BY-PRODUCTS FACTORY, TSC** (P R SF)★
133, Hsiao-kang Rd., Kao-Hsiung 812,
Ph. 821-4160.
CONTACT: T.W. Tang, Plant Mgr. or C.W. Chen, Deputy Mgr.
**Solvent; crush cap. 340MT/day; storage cap. 25,000MT. Refining cap. 100MT/day; storage cap. 300MT. Soy meal, animal/livestock feed, crude, fully refined, hydrogenated and cooking/salad oil. Served by truck.**

**PRESIDENT ENTERPRISES CORP.** (R SF IP)★
301, Chung-Cheng Rd., Yan Harng,
Yeong Kang Shiang, Tainan Hsien 711,
Ph. 06/253-2121; TLX: 71348 (PRESIT)
CONTACT: C. Yang
**Refining cap. 120MT/day; storage cap. 1,000MT. Lecithin; margarine, shortening, cooking/salad oil; soy beverages and soy sauce. Served by truck.**

**TAY SHAN ENTERPRISE CO. LTD.** (P R SF IP)★
14th Floor, No. 178, Sec. 2, Nanking E. Rd.,
Taipei, Ph. 02/521-4152; TLX: 22863 (SUNRISE).
CONTACT: James T. Chan
**Solvent; crush cap. 600MT/day. Refining cap. 110MT/day. Soy meal; crude, fully refined and cooking/salad oil; soy sterols and tocopherols. Served by truck and rail.**

## THAILAND

**GREEN SPOT (Thailand) LTD.** (P SF)
79 Mu 4, Pattakarn Extension Rd.,
Bangkok 10240, Ph. 377-5088.
CONTACT: C.C. Cheung, Gen. Mgr.
Continuous screw press; crush cap. 10MT/day; storage cap. 800MT. Soy beverages.

**PATUM VEGETABLE OIL CO. LTD.** (R SF IP)★
KM 5th Patumthanee-Lardlumkaew Rd.,
Lardlumkaew, Patumthanee.
Main office: Bangkok.
CONTACT: Prakit Triyanond, Gen. Mgr.
(424-1165)
Refining cap. 100MT/day; storage cap. 3,000MT. Fully refined and cooking/salad oil; industrial oil; soybean fatty acids. Served by truck, barge and ship.

**PATUM VEGETABLE OIL CO. LTD.** (R SF IP)★
MAIN OFFICE: 733/23 Charansanitwong Rd.,
Bangkok 10700, Ph. 424-1165 or 424-2168;
TLX: 82431 (PATUM TH).
Plant at: Lardlumkaew, Patumthanee.
CONTACT: Prakit Triyanond, Gen. Mgr.

**THANAKORN VEGETABLE OIL PRODUCTS CO. LTD.** (P R SF IP)★
99 Soi Thanakorn, Phra Pradaeng Rd.,
P.O. Box 13-5, Bangkok 10130,
Ph. 66/2/425-8930; TLX: 84031 (TANAOIL TH).
CONTACT: Vibul Sarakitpricha, Mgr. Dir.
Solvent; crush cap. 800MT/day; storage cap. 20,000MT. Refining cap. 100MT/day; storage cap. 6,000MT. Soy meal; crude degummed, fully refined and cooking/salad oil; industrial oil. Served by truck and barge.

## TURKEY

**BAG YAGLARI SANAYI ve TICARET T.A.S.** (P R IP)★
1520 Sokak No. 36, P.O. Box 15, Izmir,
Ph. 90/51/219180 or 255406, TLX: 52221 (GOML).
CONTACT: Moris Ruso, Mgr. Dir.
Solvent; crush cap. 500MT/day; storage cap. 15,000MT. Refinery storage cap. 5,000MT. Soy meal; crude degummed, once refined and fully refined oil; industrial flour and oil. Served by truck.

**MARSA MARGARIN SANAYI A.S.** (P R SF IP)★
**Affiliate of Haci Omer Sabanci Holding A.S.**
Doseme Mahallesi No. 4, P.O. Box 137, Adana 01130, Ph. 90/711/15080; TLX: 62234 (MARG TR).
Main office and other plant at Istanbul.
CONTACT: Aziz Koseoglu, Gen. Mgr.
Solvent and continuous screw press; crush cap. 250MT/day; storage cap. 15,000MT. Refining cap. 20,000MT. Soy meal; crude, crude degummed, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; industrial soy oil. Served by truck, rail and ship.

**PAKSOY TICKARET ve SANAYI A.S.** (P R SF IP)★
Karatas Yolu 184, P.O. Box 144, Adana,
Ph. 90/711/14666; TLX: 62739 (SADE TR).
CONTACT: Ibrahim Paksoy
Solvent; crush cap. 300MT/day; storage cap. 10,000MT. Refining cap. 240MT/day; storage cap. 12,000MT. Soy meal; crude degummed, fully refined and hydrogenated oil; soy flour; margarine, shortening, cooking/salad oil; industrial lecithin. Served by truck, rail and ship.

**SUMERBANK SOYA SANAYII MUESSESESI** (P R SF IP)
P.K. 4, PTT Kod. No. 52001, Ordu,
Ph. 371/11363 or 11611; TLX: 74510.
CONTACT: Ibrahim Kilic, Dir.
Solvent; crush cap. 2,000MT/year. Crude and once refined oil; lecithin; soy flour; cooking/salad oil; industrial lecithin, soy flour/soy protein and soy oil.

## VENEZUELA

**CONSORCIO OLEAGINOSO PORTUGUESA (COPOSA)** (P R IP)★
Carretera Via Payara, Apartado 112, Acarigua, Portuguesa 3301, Ph. 58/55/48488; TLX: 55200 (COPOS).
CONTACT: Nelson Quijada, Gen. Mgr.
Solvent and continuous screw press; crush cap. 400MT/day; storage cap. 15,000MT. Refining cap. 100MT/day. Soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oil; industrial soy oil. Served by truck and rail.

**C.A. GRASAS DE VALENCIA** (P R SF)
MAIN OFFICE: Av. Henry Ford, Zona Industrial Sur., P.O. Box 349, Valencia, Carabobo 2002, Ph. 41/334110; TLX: 45312 (DIANA VC).
CONTACT: Julio Martinez, Gen. Mgr.
Solvent; crush cap. 200MT/day; storage cap. 10,000MT. Refining cap. 200MT/day; storage cap. 20,000MT. Soy meal, crude degummed, once refined, fully refined and hydrogenated oil; margarine. Served by truck and ship.

## YUGOSLAVIA

**KMETIJSKO ZIVILSKI KOMBINAT** (R SF IP)
**Tozd Tavarna olja (OLJARICA)**
**Affiliate of Mercator, Ljubljana**
Britof 27, 64000 Kranj, Ph. 064/22771;
TLX: 34698 (OLJE KR YU).
CONTACT: Novak Milan
Refining cap. 90MT/day; storage cap. 7,500MT. Fully refined oil, cooking/salad oil, industrial soy oil, soybean fatty acids.

**TVORNICA ZA PRERADU SOJE** (P R IP)★
Gazenice, PP 215, 57000 Zadar, Ph. 38/57/23400 or 24993; TLX: 27149 (TPS).
CONTACT: Commercial Sector
Solvent; crush cap. 1,100MT/day; storage cap. 50,000MT. Refining cap. 200MT/day; storage cap. 13,000MT. Soy meal; hulls; crude degummed oil; industrial lecithin. Served by truck, rail and ship.

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## LECITHIN

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
**CONTACT:** Joe Meyer
**Lecithin.**

**AMERICAN LECITHIN CO. ★**
451 Stephens St., SW, P.O. Box 4056,
Atlanta, GA 30302, Ph. 404/522-7060.
Other office: Woodside, NY.
**CONTACT:** Joseph Eichberg, Pres.
**ALCOLEC lecithin.**

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
**Lecithin.**

**AVATAR CORPORATION ★**
7728 W. 99th St., Hickory Hills, IL 60457,
Ph. 312/430-4200.
**CONTACT:** Lisa M. Pilch
**LSC 3070 and LSC 6040 lecithin.**

**CENTRAL SOYA COMPANY, INC. ★**
Routes 47 & 9, Box 112, Gibson City, IL 60936,
Ph. 217/784-8261. Main office: Fort Wayne, IN.
**CONTACT:** John Lobe (219/425-5286)
**CENTROCAP lecithin.**

**CENTRAL SOYA COMPANY, INC. ★**
1200 N. Second St., P.O. Box 1002,
Decatur, IN 46733-5002, Ph. 219/724-2101.
Main office: Fort Wayne, IN.
**CONTACT:** Charles T. Worrall (219/425-5361)
**ACTIFLO, CENTROPHASE, CENTROLENE, BLENDMAX AND CENTROL liquid lecithin.**

**CENTRAL SOYA COMPANY, INC. ★**
605 Goodrich Rd., Box 369, Bellevue, OH 44811,
Ph. 419/483-2392. Main office: Fort Wayne, IN.
**CONTACT:** Charles T. Worrall (219/425-5361)
**CENTROLEX granules, CENTROPHIL and CENTROL liquid lecithin.**

**W.A. CLEARY PRODUCT, INC. ★**
1049 Somerset St., P.O. Box 10,
Somerset, NJ 08873, Ph. 201/247-8000.
**CONTACT:** Margaret A. Cleary, President
**CLEARATE B60, B70, B70L and WDF lecithin for shortenings, chocolate, breads, cakes, pan greases, candy and milk replacers.**

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO). Other plant at Fridley, MN.
**CONTACT:** Dave Schostag (507/345-2251)
**NF, SB, DB and LV lecithin.**

**LUCAS MEYER INC.**
**Affiliate of Lucas Meyer GmbH, Hamburg**
765 E. Pythian Ave., P.O. Box 2275,
Decatur, IL 62526, Ph. 217/875-3660;
TLX: 404387 (LUCAS MEYER DTR).
**CONTACT:** Roland Goodman
**TOPCITHIN, CHOCOTHIN, M-C-THIN and M-C-THIN 455, METARIN, EMULFLUID, CAPCITHIN, EMULPUR N, ASOL, LECIMULTHIN and EMULTHIN lecithin.**

**PENTA MANUFACTURING COMPANY ★**
P.O. Box 1452, West Caldwell, NJ 07007,
Ph. 201/575-7475; TLX: RCA 219472 (PENT UR).
**CONTACT:** George M. Volpe
**Lecithin.**

**QUINCY SOYBEAN CO. ★**
Hwy 20 S., P.O. Box 70, Helena, AR 72342,
Ph. 501/338-6481; TLX: 404421 (QCY SOYBEAN). Main office: Quincy, IL.
**CONTACT:** Richard P. Schuering
**Lecithin.**

**RICELAND FOODS, INC. ★**
10800 Financial Pkwy., Suite 380, P.O. Box 8201,
Little Rock, AR 72212, Ph. 501/225-0936;
TLX: 240064 (RLND UR); TWX: 910-720-6240
(ARK GRAIN CO). Main office: Stuttgart, AR.
**CONTACT:** Marolyn Chambers, Sales Mgr.
**LECIGRAN (deoiled) lecithin, LECIPRIME and LECIKOTE liquid lecithin.**

## ARGENTINA

**INDO S.A. ★**
Reconquista 458, p. 15°, Buenos Aires 1358,
Ph. 54111/2385-1589; TLX: 24085-9105-24283
(LAPCE AR).
**CONTACT:** Jorge Barthes
**Lecithin; in bulk and 200ks iron drums.**

## BELGIUM

**LUCAS MEYER N.V. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Industrieterrein De Bruwaan, 5A,
B-9700 Oudenaarde, Ph. 055/317811;
TLX: 86138 (MEYER B).
**CONTACT:** Marc Aelvoet
**TOPCITHIN, CHOCOTHIN, M-C-THIN, METARIN and EPIKURON lecithin.**

**N.V. VAMO MILLS ★**
MAIN OFFICE: Prins Albertlaan 12,
8700 Izegem, Ph. 32/51/332211; TLX: 81622.
**CONTACT:** G. Vanmarcke
**K1 S and M1 S lecithin.**

## BRAZIL

**ENERGE S.A. ★**
**Affiliate of Nutrimental, S.A.**
BR280, Km. 58, Guaramirim, Santa Catarina,
89258, Ph. 55/0473/730355; TLX: 474497.
**CONTACT:** Luis Augusto de Mello
**Natural lecithin.**

**INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL) ★**
MAIN OFFICE: Av. Borges de Medeiros,
659, 12th Floor, Porto Alegre, RS, 90020,
Ph. 55/512/217799; TLX: 515196 (FIGF BR).
**CONTACT:** Sergio Lindemann, Export Mgr.
**Lecithin; in bulk.**

**INDUSTRIAS J.B. DUARTE S.A. ★**
MAIN OFFICE: Rua dos Patriotas, 1382,
P.O. Box 1002, Sao Paulo, SP, 04207,
Ph. 55/11/274-8211; TLX: 11-21226, 33172 or
36622 (IJBD BR).
**CONTACT:** Archimedes Jorge Cortellazzi
**JB lecithin.**

## CANADA

**VICTORY SOYA MILLS LTD. ★**
**Division of Central Soya Company, Inc.**
**Ft. Wayne, IN, USA**
333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2,
Ph. 416/363-8771.
**CONTACT:** Murrray Davis
**Lecithin.**

## COLOMBIA

**GRASAS VEGETALES S.A. (GRAVETAL) ★**
Cra. 28. No. 37-79 Sabaneta, P.O. Box 80617,
Medellin, Ph. 57/4/288-0711;
TLX: 66797 (GVTAL CO).
**CONTACT:** Sergio Eusse
**Lecithin.**

**LLOREDA GRASAS S.A. ★**
MAIN OFFICE: Autopista Cali-Yumbo, Km. 3,
Apartado Aereo 1288, Cali, Ph. 645043,
TLX: 055711 (LLOGR CO) or 051170 (LLOC CO).
**CONTACT:** Hugo Parra, Comm. Mgr.
**Lecithin.**

## DENMARK

**AARHUS OLIEFABRIK A/S ★**
M.P. Bruunsgade 27, P.O. Box 50,
8100 Aarhus C, Ph. 945/06/126000,
TLX: 64341, 64342 or 64348 (PALMF DK).
**CONTACT:** O. Markers, Sales Dir.
**Lecithin.**

**DS INDUSTRIES ApS ★**
Islands Brygge, DK-2300 Copenhagen S,
Ph. 45/01/546600; TLX: 31313 (DASOY DK).
**CONTACT:** J.L. Larson
**Lecithin.**

### ENGLAND

**LUCAS MEYER (UK) LTD. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
42 City Rd., Chester CH1 3AE,
Ph. 0244/48447; TLX: 61616 (LMUKL G).
**CONTACT:** Mike Preston
**TOPCITHIN, CHOCOTHIN, M-C-THIN, METARIN and EPIKURON lecithin.**

### FEDERAL REPUBLIC OF GERMANY

**LUCAS MEYER GmbH & CO. ★**
MAIN OFFICE: Ausschlaeger Elbdeich 62,
P.O. Box 280246, 2000 Hamburg 28,
Ph. 040/781701; TLX: 2163220 (MEYER D).
**CONTACT:** Jens Heiser
**TOPCITHIN, CHOCOTHIN, M-C-THIN, METARIN and EPIKURON lecithin.**

**NATTERMANN CHEMIE GmbH ★**
Nattermannallee 1, P.O. Box 350120,
D-5000 Koln 30, Ph. 221/509-2498;
TLX: 8882663 (DROG D).
**CONTACT:** Achim Andres
**NATHIN, NUTRITHIN and PHOSAL lecithin.**

**OELMUEHLEN (THOERL) GmbH ★**
**Affiliate of Archer Daniels Midland Co. Decatur, IL, USA**
1 Hafenstrasse 15, P.O. Box 901440,
D-2100 Hamburg 90, Ph. 40/771240;
TLX. 217678 (ODMTH D).
**CONTACT:** Justes Kruger
**Lecithin.**

**OELMUHLE HAMBURG AG ★**
Kohlbrandstrasse 1, P.O. Box 930320,
D-2102 Hamburg 93, Ph. 751941;
TLX: 2163537 (OLAG D).
**CONTACT:** Arnd von Wissel
**Lecithin.**

**STERN-CHEMIE VOLKMAR WYWIOL ★**
An der Alster 81, D-2000 Hamburg 1,
Ph. 040/2/483001; TLX: 2-162052 (STAR D).
**CONTACT:** Juergen Woerner
**Lecithin.**

### FINLAND

**OLJYNPURISTAMO OY**
Nittaajankatu 1, P.O. Box 15, SF-00811 Helsinki,
Ph. 358/0/780155; TLX: 121518 (OILML SF).
**CONTACT:** P. Karri, Comm. Dir.
**Lecithin.**

### FRANCE

**LUCAS MEYER FRANCE S.A. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
106, Avenue du General Leclerc,
94100 St. Maur des Fosses, Ph. 14/885-4251;
TLX: 210322 (FRANCOIS).
**CONTACT:** Pierre Lebourd
**TOPCITHIN, CHOCOTHIN, M-C-THIN, METARIN and EPIKURON lecithin.**

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**Lecithin.**

### HAITI

**ENTREPRISE NATIONALE DES OLEAGINEUX (ENAOL)**
P.O. Box 13460, Delmas, Port au Prince,
Ph. 2/0444, 4582 or 4589;
TLX: 2030550 (ENAOL).
**CONTACT:** Wilner Dessources, Gen. Mgr.
**Lecithin.**

### INDIA

**ALPINE SOLVEX LTD. ★**
MAIN OFFICE: 10-11 Yeshwant Niwas Rd.,
Indore 452003, M.P., Ph. 91/0731/37365;
TLX: 735216 (FOOD IN) or 735378 (ALSO IN).
**CONTACT:** M.C. Badami
**Lecithin.**

**PRESTIGE FOODS LTD. ★**
30, Jaora Compound, M.Y.H. Rd.,
Indore 452001, M.P., Ph. 32075-78 or 4633;
TLX: 0735-205 (PFM IN).
**CONTACT:** N.N. Jain, Mgr. Dir.
**Lecithin.**

### IRAN

**SHERKATE SAHAMI ROWGHAN NABATI JAHAN**
15 Malekoshoara Bahar Ave., Tehran,
Ph. 21/838036; TLX: 214079 (RNJ IR).
**CONTACT:** Hamid Ghazanfar, Mgr. Dir.
**JAHAN lecithin for biscuit manufacturing.**

### ISRAEL

**ETZ HAZAYITH LTD. ★**
**Subsidiary of Koor Foods Ltd.**
Rehov Shenkar 1, P.O. Box 193,
Petah Tikva 49101, Ph. 03/922-7171;
TLX: 341859 (ETZHL IL).
**CONTACT:** U. Sharir, Gen. Mgr.
**Lecithin.**

**HAYES ASHDOD LTD.**
**Subsidiary of Koor Foods Ltd.**
Habosem St., Industrial Zone, P.O. Box 2230,
Ashdod 77121, Ph. 972/55/24251; TLX: 371885
(HAYES IL).
**CONTACT:** Tom Klein, Managing Dir.
**Lecithin.**

**OLIVEX LTD. ★**
25 Rothschild Blvd., P.O. Box 1498,
Tel Aviv 61014, Ph. 972/3/614451;
TLX: 341118 (BXTV IL).
**CONTACT:** Uriel G. Cegla
**CHELMONIT lecithin (fluid and plastic NSPA grades; bakers additive).**

**SHEMEN INDUSTRIES LTD. ★**
**Subsidiary of Koor Foods Ltd.**
2 Tovim St., P.O. Box 136, Haifa 31001,
Ph. 04/670491; TLX: 46776 (K FOOD IL).
**CONTACT:** M. Kalach, Gen. Mgr.
**Lecithin.**

**TAVLIN LTD. ★**
Old Industrial Zone, P.O. Box 36, Rishon Le-Zion,
Ph. 03/948224 or 948225.
**CONTACT:** Itzhak Cohen, Plant Mgr.
**Lecithin.**

**TETH BETH LTD. ★**
3 Galed St., P.O. Box 147, Petah Tikva 49101,
Ph. 972/03/913191; TLX: 34192 (TB IL).
**CONTACT:** Ezra Berger, Mgr. Dir.
**Semi-fluid, unbleached edible lecithin.**

## ITALY

**ITALIANA OLII E RISI S.p.A. ★**
MAIN OFFICE: Via Romola Gessi 20,
48100 Ravenna, Ph. 39/0544/31222;
TLX: 551264, 551271 or 550077 (IOR RA).
**Lecithin.**

**LUCAS MEYER S.R.L. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Via Venezia 34, 35010 Vigonza,
Ph. 049/629011; TLX: 430145 (GIPA I).
**CONTACT:** Axel Skulte
**TOPCITHIN, CHOCOTHIN, M-C-THIN, METARIN and EPIKURON lecithin.**

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)**
MAIN OFFICE: Via le Reiter, 130,
41100 Modena, Ph. 059/222571;
TLX: 510138 (SIO MO I).
**CONTACT:** Giancarlo Zelocchi, Mgr. Dir.
**Lecithin.**

## JAPAN

**HOHNEN OIL CO. LTD. ★**
MAIN OFFICE: Mitsui Life Insurance Bldg.,
2-3 Ohtemachi, 1-Chome, Chiyoda-ku,
Tokyo 100, Ph. 03/211-6511;
TLX: 222-3084 (HONEN J).
**CONTACT:** Masaru Okahana, Asst. Mgr., Raw Materials Section.
**HOHNEN soybean lecithin.**

**THE NISSHIN OIL MILLS, LTD. ★**
23-1, Shinkawa, 1-Chome, Chuo-ku, Tokyo 104,
Ph. 555-6605.
**CONTACT:** Takahisa Toyama
**NISSHIN lecithin.**

**SHOWA SANGYO CO., LTD. ★**
MAIN OFFICE: 2-1, 2 Chome, Uchikanda,
Chiyoda-ku, Tokyo 101, Ph. 03/257-2020 or
222-6336.
**CONTACT:** Fumio Kobayshi, Mgr. Oil & Fat Dept.
**SHOWA lecithin.**

**TOYO OIL MILLS CO. INC. ★**
**Subsidiary of Ajinomoto Co. Inc., Tokyo**
230-ban Shinminato, Chiba-shi 260,
Ph. 0472/41-1251.
**CONTACT:** Tasuku Oshima, Supt.
**Lecithin.**

## KOREA

**CHEIL SUGAR & CO., LTD. ★**
MAIN OFFICE: Dong Bang Main Bldg.,
17th Floor, 150, 2-Ka, Taepyung-Ro, Chung-ku,
Seoul 100, Ph. 02/7518-514;
TLX: 29359 (CHESUCO K).
**CONTACT:** J.H. Kim, Gen. Mgr.
**Lecithin.**

## MEXICO

**DERIVADOS DE OLEAGINOSAS DEL VALLE S.A. DE C.V.**
**Affiliate of Molinos Union del Yaqui S.A. de C.V.**
Av. Miguel Aleman No. 703 Sur, Altos,
P.O. Box 356, Ciudad Obregon, Sonora 85000,
Ph. 5/641/52270; TLX: 552813 (MUY ME).
**CONTACT:** Ramon Rivera, Gen. Mgr.
**Lecithin.**

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V. ★**
Manuel Gonzalez No. 165, Col. Atlampa,
Mexico D.F. 06450, Ph. 90/5/583-4022;
TLX: 1772498 (POLA ME).
**CONTACT:** Diego Gutierrez, Production Mgr.
**Lecithin.**

## NETHERLANDS

**A.D.M. EUROPOORT ★**
**Affiliate of Archer Daniels Midland Co. Decatur, IL, USA**
Elbeweg 125, Europoort Rd., 3198LC Europoort,
Ph. 31/1819/63055; TLX: 29662.
**CONTACT:** Wim Groenenboom
**Lecithin.**

**FA. L.I. FRANK**
Oude Rijksstraatweg 32-40, P.O. Box 46,
7390AA Twello, Ph. 031/05712/2141 or 2131;
TLX: 49350 (FRANK NL).
**CONTACT:** C.V.M. Miedendorp de Bie
**LECIPROT lecithin.**

**LUCAS MEYER B.V. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Frankenslag 107, 2508EA S'Gravenhage,
Ph. 070/500300; TLX: 32014 (MEYER NL).
**CONTACT:** Andre van der Zande
**TOPCITHIN, CHOCOTHIN, M-C-THIN, METARIN and EPIKURON lecithin.**

**UNIMILLS B.V. ★**
**Affiliate of Unilever N.V., Rotterdam**
Lindtsedijk 8, P.O. Box 18, 3330AA Zwijndrecht,
Ph. 31/78/109911; TLX: 29031 (UMIL NL).
**CONTACT:** W. F. Scotland, Mgr.
**BOLEC-2 and BOLEC-K lecithin.**

### NORWAY

**A/S DENOFA OG LILLEBORG FABRIKER ★**
Sandakerveien 56, P.O. Box 4236, 0401 Oslo 4,
Ph. 47/02/220050; TLX: 71181.
**CONTACT:** H. P. Naes, Export Mgr.
**Lecithin.**

### PORTUGAL

**SOCIEDADE IBERICA DE OLEAGINOSAS SARL (IBEROL)**
MAIN OFFICE: Av. Frei Miguel Contreiras,
54-A, 3°, Apartado 5109, 1702 Lisbon,
Ph. 888176; TLX: 12422 (IBEROL P).
**CONTACT:** Export Director
**Lecithin.**

### SPAIN

**ACIGRASA S.A. ★**
**Affiliate of Stern-Chemie Volkmar Wywiol, Hamburg**
General Oraa 62, Madrid, Ph. 262-1791;
TLX: 22784 (ALDAG E).
**Lecithin.**

**ACEITES Y PROTEINAS S.A. (ACEPROSA) ★**
Repelega S/N°, P.O. Box 6, 48920 Portugalete,
Vizcaya, Ph. 94/4965111; TLX: 32753 (ACEPR E).
**CONTACT:** Juan Leguina, Sales Mgr.
**Lecithin; fluid and plastic; in bulk and in drums.**

**KELSA S.A. ★**
El Burgo, P.O. Box 582, 15080 La Coruna,
Ph. 981/661150; TLX: 82142 (KELSA E).
**CONTACT:** Ramon P. Gorospe, Sales Mgr.
**Lecithin.**

**LUCAS MEYER S.A. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Via Augusta 13-15, 08006 Barcelona,
Ph. 3/218-5762; TLX: 99703 (LUCAS E).
**CONTACT:** Pedro Duenas
**TOPCITHIN, CHOCOTHIN, M-C-THIN, METARIN and EPIKURON lecithin.**

**OLEAGINOSAS ESPANOLAS S.A. (OESA) ★**
Puerto de Barcelona, Muelle de Contradique
s/n, P.O. Box 22270, 08004 Barcelona,
Ph. 34/3/318-8036; TLX: 52612 or 50831
(OLEA E).
**CONTACT:** Jose Ferrer Berta
**Lecithin.**

**SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) ★**
MAIN OFFICE: Plaza de Chamberi 8, 7th Floor,
28010 Madrid, Ph. 34/1/447-3013;
TLX: 27216 (SIMSA E).
**CONTACT:** Jesus Prieto
**SIMSASOL lecithin.**

### TAIWAN

**FWU SOW GRAIN PRODUCTS CO., LTD.**
MAIN OFFICE: 45, Sha-Tyan Rd.,
Sha-Lu 43306, Taichung, Ph. 886/046/362111;
TLX: 22237 (FWUSOW).
**CONTACT:** Chia Yuh Trading Co. Ltd., 70,
Ningpo St., Taipei.
**LUCKY lecithin.**

**GREAT WALL ENTERPRISE CO., LTD. ★**
No. 3, Niao-Sung 2nd St., Niao-Sung Village,
Yung-Kung Hsiang, Tainan Hsien 71004,
Ph. 06/253-1111; TLX: 71351 (GREATAL).
**CONTACT:** John C.J. Ou, Mgr.
**Lecithin.**

**PRESIDENT ENTERPRISES CORP. ★**
301, Chung-Cheng Rd., Yan Harng,
Yeong kang Shiang, Tainan Hsien 711,
Ph. 06/253-2121; TLX: 71348 (PRESIT).
**CONTACT:** Hua-Yang Lee
**PRESIDENT lecithin.**

### TURKEY

**SUMERBANK SOYA SANAYII MUESSESESI**
P.K. 4, PTT Kod. No. 52001, Ordu,
Ph. 371/11363 or 11611; TLX: 74510.
**CONTACT:** Ibrahim Kilic, Dir.
**SUMERBANK lecithin.**

## SOY CONCENTRATES, ISOLATES

### UNITED STATES

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR); TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
**Soy concentrates.**

**CENTRAL SOYA COMPANY, INC. ★**
Routes 47 & 9, Box 112, Gibson City, IL 60936,
Ph. 217/784-8261. Main office: Fort Wayne, IN.
**CONTACT:** John Lobe (219/425-5286)
**PROMOSOY, PROCON, RESPONSE and textured PROCON soy concentrates.**

**FREEDOM FARMS, INC. ★**
715 N. Finn Dr., Algona, IA 50511,
Ph. 515/295-3537.
**CONTACT:** Kirk B. Stauss
**Soy concentrates and isolates.**

**GENERAL SPICE INC. ★**
238 St. Nicholas Ave., P.O. Box 394,
South Plainfield, NJ 07080, Ph. 201/753-9100;
TWX: 710-997-9547 (SOPH). Other locations:
Malden, MA; Detroit, MI.
**CONTACT:** Karl H. Brand, Pres.
**SOTEX textured vegetable protein and SOTEX textured soy protein concentrate — various forms, colored, uncolored, flavored, unflavored, vitamin fortified.**

**GRAIN PROCESSING CORPORATION**
1600 Oregon St., Muscatine, IA 52761,
Ph. 319/264-4265; TLX: 468497.
**CONTACT:** Tom Wiesner
**PRO-FAM soy isolates - high and low solubility (90%) from soy flakes.**

**HERCULES INC.**
**PFW Division**
33 Sprague Ave., Middletown, NY 10940,
Ph. 914/343-1900; TLX: 283303 (PFW MDT UR).
Other location: Harbor Beach, MI.
**CONTACT:** Daniel G. Murray, Prod. Mgr.
**HVP and LUXOR hydrolyzed vegetable proteins.**

**NORTH AMERICAN LABORATORY CO.**
1717 W. 10th St., Indianapolis, IN 46222,
Ph. 317/635-9500.
**CONTACT:** Hormoz Broumand
**Soy concentrates, isolates.**

**RALSTON PURINA COMPANY ★**
Checkerboard Square, St. Louis, MO 63164,
Ph. 800/325-7108; TLX: 447240 (RAL PRO).
**CONTACT:** Customer Service, Protein Division
**PURINA PROTEIN soy isolates.**

### BRAZIL

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
MAIN OFFICE: Praca Osvaldo Cruz, 15-16°,
P.O. Box 2016, Porto Alegre, RS, 90030,
Ph. 0512/21-2200; TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.
**PROVESOL soy concentrates, isolates.**

### CANADA

**CHAMPLAIN INDUSTRIES LTD.**
MAIN OFFICE: 6535 Millcreek Dr., Unit 21,
Mississauga, Ont. L5N 2M2, Ph. 416/866-0801;
TLX: 06-218719. Plants at: Winsted, CT; Cornwall
and Tara, Ont.; Stanbridge Station, Quebec.

**CHAMPLAIN INDUSTRIES LTD.**
176 Principal Rd., Stanbridge Station, Quebec,
Ph. 514/248-3376. Main office: Mississauga, Ont.
**CONTACT:** Len Holubowich
**Hydrolized vegetable protein.**

### DENMARK

**AARHUS OLIEFABRIK A/S ★**
M.P. Bruunsgade 27, P.O. Box 50,
8100 Aarhus C, Ph. 945/06/126000;
TLX: 64341, 64342 or 64348 (PALMF DK).
**CONTACT:** O. Markers, Sales Dir.
**Soy concentrates, isolates.**

### ENGLAND

**THE BRITISH ARKADY CO. LTD. ★**
**Affiliate of Archer Daniels Midland Co., Decatur, IL, USA**
Skerton Rd., Old Trafford,
Manchester M16 ONJ, Ph. 061/872-7161;
TLX: 668488 (ARKADY G).
**CONTACT:** W. Pringle, Gen. Mgr.
**ARCON protein concentrate, ARDEX isolated soy protein.**

**GMB PROTEINS LTD.**
**Affiliate of Bush Boake Allen Ltd.**
Blackhorse Lane, Walthamstow,
London E17 5QP, Ph. 44/01/531-4211;
TLX: 897808 (BBAWAL G).
**CONTACT:** G. F. Titchener, Tech. Sales Mgr.
**BONTRAE steam textured soy proteins.**

### FEDERAL REPUBLIC OF GERMANY

**EDELSOJA GmbH ★**
**Affiliate of Oelmuhle Hamburg AG and Lucas Meyer GmbH**
Ausschlager Elbdeich 62, D-2000 Hamburg 28,
Ph. 040/781708; TLX: 2163220 (MEYER D).
**CONTACT:** Karl-Otto Tielker
**Soy concentrates, isolates and textured products.**

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Bad Homburg, Ph. 06172/22046;
TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.
**SUPRO-70 soy concentrates and PURINA soy protein isolates.**

### INDIA

**PRESTIGE FOODS LTD. ★**
30, Jaora Compound, M.Y.H. Rd.,
Indore 452001, M.P., Ph. 32075-78 or 4633;
TLX: 0735-205 (PFM IN).
**CONTACT:** N.N. Jain, Mgr. Dir.
**Soy concentrates and isolates.**

**THE TATA OIL MILLS CO. LTD. ★**
MAIN OFFICE: Bombay House,
Homi Mody Street, Fort, Bombay 400023,
Ph. 022/204-9131; TLX: 4880 (TOMC IN) or
11-2618 (TATA IN).
**CONTACT:** G.S. Sabnis, Mgr.-Protein Foods
**PROTIMITE soy protein isolate (85%-90% purity).**

### ISRAEL

**HAYES ASHDOD LTD.**
**Subsidiary of Koor Foods Ltd.**
Habosem St., Industrial Zone, P.O. Box 2230,
Ashdod 77121, Ph. 972/55/24251 (HAYES IL).
**CONTACT:** Tom Klein, Managing Dir.
**HAYPRO and PRIMEPRO soy concentrates, isolates.**

**SHEFA PROTEIN INDUSTRY LTD.**
**Affiliate of Israel Edible Food Ltd.**
12 Htaasya St., P.O. Box 39, Arad 80700,
Ph. 57/957860 or 958049;
TLX: 5206 (SHEFA IL).
**CONTACT:** Dan Tov, Plant Mgr.
**Soy concentrates, isolates.**

### JAPAN

**FUJI OIL CO., LTD. ★**
MAIN OFFICE: Nihonseimei Midosuji
Hachimancho Bldg., 6-1 Hachimancho,
Minamiku, Osaka 542, Ph. 81/06/213-8158;
TLX: 522-2057 (FUJ OS J).
**CONTACT:** Yukio Miyazawa, Sr. Mgr. Dir.
**FUJIPRO soy isolates.**

**NIKKA FATS & OILS CO., LTD. ★**
1-8-1, Kitahama, Nakamatsu-ku, Kitakyushu 808,
Ph. 093/761-2635.
**CONTACT:** S. Shirakawa, Plant Mgr.
**NIKKA ISOPRON soy concentrates.**

**THE NISSHIN OIL MILLS, LTD. ★**
23-1, Shinkawa, 1-Chome, Chuo-ku, Tokyo 104,
Ph. 555-6605.
**CONTACT:** Takahisa Toyama
**NISSHIN SOL-P concentrates and isolates.**

### MEXICO

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V. ★**
Manuel Gonzalez No. 165, Col. Atlampa,
Mexico D.F. 06450, Ph. 90/5/583-4022;
TLX: 1772498 (POLA ME).
**CONTACT:** Diego Gutierrez, Production Mgr.
**Soy isolates.**

### NETHERLANDS

**A.D.M. EUROPOORT ★**
**Affiliate of Archer Daniels Midland Co. Decatur, IL, USA**
Elbeweg 125, Europoort Rd., 3198LC Europoort,
Ph. 31/1819/63055; TLX: 29662.
**CONTACT:** Wim Groenenboom
**Soy isolates.**

**FA. L.I. FRANK**
Oude Rijksstraatweg 32-40, P.O. Box 46,
7390AA Twello, Ph. 031/05712/2141 or 2131;
TLX: 49350 (FRANK NL).
**CONTACT:** C.V.M. Miedendorp de Bie
**SUNSOY concentrates, isolates.**

**UNIMILLS B.V. ★**
**Affiliate of Unilever N.V., Rotterdam**
Lindtsedijk 8, P.O. Box 18, 3330AA Zwijndrecht,
Ph. 31/78/109911; TLX: 29031 (UMIL NL).
**CONTACT:** W. F. Scotland, Mgr.
**UNICO and SOYCOMIL, concentrates of 60.5% protein (dry basis) in a variety of particle sizes.**

## SIMULATED MEAT PRODUCTS
## (Analogs)

### UNITED STATES

**APPROPRIATE FOODS, INC.**
137 New Hyde Park Rd., Franklin Square, NY
11010, Ph. 516/352-7222.
**CONTACT:** Robert Werz, Pres.
**TEMPEH BURGER.**

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
**Simulated meat products.**

**FREEDOM FARMS ★**
715 N. Finn Dr., Algona, IA 50511,
Ph. 515/295-3537.
**CONTACT:** Kirk B. Stauss
**Simulated meat products.**

**GENERAL SPICE INC. ★**
238 St. Nicholas Ave., P.O. Box 394,
South Plainfield, NJ 07080,
Ph. 201/753-9100; TWX: 710-997-9547 (SOPH).
Other locations: Malden, MA; Detroit, MI.
**CONTACT:** Karl H. Brand, Pres.
**BAKOTEX imitation bacon bits.**

**LOMA LINDA FOODS, INC. ★**
11503 Pierce St., Riverside, CA 92515,
Ph. 714/687-7800.
**CONTACT:** Fred DeVries, VP Mfg. or Willis Dufur, VP Mktg.
**Hot dog and hamburger analogs, textured vegetable protein.**

**NORTH AMERICAN LABORATORY CO.**
1717 W. 10th St., Indianapolis, IN 46222,
Ph. 317/635-9500.
**CONTACT:** Hormoz Broumand
**Simulated meat products.**

**NORTHBROOK GRANARY CORPORATION ★**
1471 Paddock Dr., Northbrook, IL 60062,
Ph. 312/998-8188.
**CONTACT:** Russell Garrison, Pres.
**UNITEIN textured analogs.**

**QUONG HOP & COMPANY ★**
161 Beacon St., South San Francisco, CA
94080, Ph. 415/761-2022.
**CONTACT:** Ben Lee
**Tofu burgers, SOY DELI tempeh burgers.**

**ROSE INTERNATIONAL ★**
P.O. Box 2687, Petaluma, CA 94953,
Ph. 707/778-7721; TLX: WU 990027 (ROSE INTERNATIONAL).

**CONTACT:** Richard Rose
**Simulated meat products.**

**SOYFOODS UNLIMITED**
14666 Doolittle Dr., San Leandro, CA 94577,
Ph. 415/352-1320.
**CONTACT:** Lon Stromnes
**Tempeh burger-cutlet.**

**WHITE WAVE INC.**
1990 N. 57th Court, Boulder, CO 80301,
Ph. 303/443-3470.
**CONTACT:** Steven Demos, Pres.
**Simulated meat products.**

**WORTHINGTON FOODS, INC.**
900 Proprietors Rd., Worthington, OH 43085,
Ph. 614/885-9511.
**CONTACT:** Don Michalenko, Natl. Sales Mgr.
**WORTHINGTON, NATURAL TOUCH and MORNINGSTAR FARMS simulated meat products.**

### BELGIUM

**DE HOBBIT ★**
Waterstraat 4, 9980 St. Laureins,
Ph. 32/91/799622.
**CONTACT:** Eric Dewilde, Gen. Mgr.
**DE HOBBIT tempeh sausage.**

### BRAZIL

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
MAIN OFFICE: Praca Osvaldo Cruz, 15-16°,
P.O. Box 2016, Porto Alegre, RS, 90030,
Ph. 0512/21-2200; TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.
**PROTIDEAL simulated meat products.**

### ENGLAND

**THE BRITISH ARKADY CO. LTD. ★**
**Affiliate of Archer Daniels Midland Co., Decatur, IL, USA**
Skerton Rd., Old Trafford,
Manchester M16 ONJ, Ph. 061/872-7161;
TLX: 668488 (ARKADY G).
**CONTACT:** W. Pringle, Gen. Mgr.
**Textured vegetable protein, vegetarian burger mixes.**

**HALDANE FOODS LTD. ★**
Hayhill Industrial Estate, Unit 25, Sileby Rd.,
Barrow upon Soar, Leicestershire LE12 8LD,
Ph. 050/981-6611; TLX: 342709 (HERAVN G).
**CONTACT:** Brian Wellsby
**HERA meat alternatives (freeze dried).**

### FEDERAL REPUBLIC OF GERMANY

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Bad Homburg, Ph. 06172/22046;
TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.
**Simulated meat products.**

**WESTDEUTSCHE NAHRUNGSMITTEL-WERKE GmbH**
Muschenerstrasse 8, P.O. Box 1150,
4518 Bad Laer 1, Ph. 05424/9078.
**EDEN meat analogs.**

### FRANCE

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**FAN'STECO simulated meat products.**

### GREECE

**BIOTROPHES LTD. ★**
45 Alopekis St., Athens 10676,
Ph. 0030/1/724-9525; TLX: 218671 (PHAL GR).
**CONTACT:** John Lewis
**Soya burgers, soya bolognaise.**

### GUATEMALA

**ALIMENTOS S.A. ★**
Km. 14½, Carretera a el Salvador,
Apartado Postal No. 8, Puerta Parada,
Guatemala City, Ph. 301268; TLX: 4182
(CERCEN GU).
**CONTACT:** Carlos F. Tejada, Gen. Mgr.
**Simulated meat products.**

### INDIA

**PRESTIGE FOODS LTD. ★**
30, Jaora Compound, M.Y.H. Rd., Indore
452001, M.P., Ph. 32075-78 or 4633;
TLX: 0735-205 (PFM IN).
**CONTACT:** N.N. Jain, Mgr. Dir.
**Simulated meat products.**

### ISRAEL

**SHEFA PROTEIN INDUSTRY LTD.**
**Affiliate of Israel Edible Food Ltd.**
12 Htaasya St., P.O. Box 39, Arad 80700,
Ph. 57/957860 or 958049;
TLX: 5206 (SHEFA IL).
**CONTACT:** Dan Tov, Plant Mgr.
**Simulated meat products.**

### JAPAN

**FUJI OIL CO., LTD. ★**
MAIN OFFICE: Nihonseimei Midosuji
Hachimancho Bldg., 6-1 Hachimancho,
Minamiku, Osaka 542, Ph. 81/06/213-8158;
TLX: 522-2057 (FUJI OS J).

**CONTACT:** Yukio Miyazawa, Sr. Mgr. Dir.
**APEX simulated meat products; GANMO (wild goose meat analog).**

### MEXICO

**INDUSTRIAL DE ALIMENTOS S.A. ★**
Poniente 146, No. 789, 02300 Mexico D.F.,
Ph. 905/567-4022.
**CONTACT:** Antonio Mouret, Sales Mgr.
**Simulated meat products.**

### NETHERLANDS

**FA. L.I. FRANK**
Oude Rijksstraatweg 32-40, P.O. Box 46,
7390AA Twello, Ph. 031/05712/2141 or 2131;
TLX: 49350 (FRANK NL).
**CONTACT:** C.V.M. Miedendorp de Bie
**VICO meat analogs.**

### SAUDI ARABIA

**MIDDLE EAST ANALOG TECHNOLOGY ★**
P.O. Box 4553, Jeddah 21412,
Ph. 966/2/682-2201;
TLX: 603229 (ARAHOM SJ).
**CONTACT:** Kevin A. Fallon
**Simulated meat products.**

## SOY FLOUR

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
**CONTACT:** Joe Meyer
**Soy flour.**

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
**Soy flour.**

**CARGILL, INC. ★**
411 6th St., NE, P.O. Box 1748,
Cedar Rapids, IA 52406, Ph. 319/399-4000;
Main Office: Minneapolis, MN.
**CONTACT:** Jim Bohlander
**Soy flour.**

**CENTRAL SOYA COMPANY, INC. ★**
Routes 47 & 9, Box 112, Gibson City, IL 60936,
Ph. 217/784-8261. Main office: Fort Wayne, IN.
**CONTACT:** John Lobe (219/425-5286)
**SOYARICH soy flour; CENTEX and MIRATEX textured soy flour.**

**FREEDOM FARMS, INC. ★**
715 N. Finn Dr., Algona, IA 50511,
Ph. 515/295-3537.
**CONTACT:** Kirk B. Stauss
**Soy flour, as flour, and textured soy flour.**

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO).
Other plant at Fridley, MN.
**CONTACT:** Ed Senska (507/345-2241)
**Soy flour.**

**LAUHOFF GRAIN COMPANY ★**
**Div. of Bunge Corporation**
P.O. Box 571, Danville, IL 61834,
Ph. 217/442-1800; TLX: 404465 (LAUHOFF GR DAN); TWX: 910-244-1453 (LAUHOFFGRAIN).
**CONTACT:** Robert Linn
**Soy flour.**

**LUCAS MEYER INC.**
**Affiliate of Lucas Meyer GmbH, Hamburg**
765 E. Pythian Ave., P.O. Box 2275,
Decatur, IL 62526, Ph. 217/875-3600;
TLX: 404387 (LUCAS MEYER DTR).
**CONTACT:** Roland Goodman
**NURAPAN and SOYAPAN soy flour.**

**NORTHBROOK GRANARY CORPORATION ★**
1471 Paddock Dr., Northbrook, IL 60062,
Ph. 312/998-8188.
**CONTACT:** Russell Garrison, Pres.
**Textured soy flour for extender usage.**

**PMS FOODS, INC. ★**
2701 E. 11th St., P.O. Box 1099,
Hutchinson, KS 67504-1099, Ph. 316/663-5711;
TWX: 910-380-6461.
**CONTACT:** Derek Park, Pres.
**ULTRA SOY textured soy flour and textured soy protein.**

**SOLNUTS, INC. ★**
711 7th St., P.O. Box 450, Hudson IA 50643,
Ph. 319/988-3221; TWX: 510-600-6103
(SOLNUTS USA). Other offices: Solnuts B.V., Tilburg, NETHERLANDS; Witte Wonder B.V., Poeldijk, NETHERLANDS.
**CONTACT:** James Becker
**Full fat soy flour.**

### ARGENTINA

**INDUSTRIAS MOLTURADORAS S.A. (IMSA) ★**
Roca esquina Cuba, Casilla de Correo 50,
Pto. Gral, San Martin 2202, Ph. 0476/22635 or 23073; TLX: 49615 (IMSA).
**Soy flour.**

**SPRAYLAC S.R.L. ★**
MAIN OFFICE: Av. Aristobulo del Valle 7090,
3000 Santa Fe, Ph. 54/42/60126; TLX: 48204
(MASA AR). Plant at San Jeronimo del Sauce.
**CONTACT:** Ruben D. Roa, Export Dept.
**SPRAYLAC okara full fat soy flour.**

## AUSTRALIA

**RIVERLAND VEGETABLE OILS PTY. LTD.**
46-50 McDonald St., P.O. Box 177, Numurkah,
Victoria 3636, Ph. 058/621666.
**CONTACT:** Andre Day, Mgr. Dir.
**NATURES FAMILY soy flour.**

**SOY PRODUCTS OF AUSTRALIA PTY. LTD. ★**
69 Power Rd., P.O. Box 66, Bayswater,
Victoria 3153, Ph. 03/729-1738.
**CONTACT:** E.P. Smith
**Enzyme active full fat flour for bakery industry; heat treated soy flour for use in cakes, biscuits, doughnuts, confectionary, cake mixes, pies, sausages and hamburgers.**

## BELGIUM

**N.V. VAMO MILLS ★**
MAIN OFFICE: Prins Albertlaan 12,
8700 Izegem, Ph. 32/51/332211; TLX: 81622.
**CONTACT:** J. Vandermoortele
**PROVAMEL soy flour and PROVAFLOR full fat flour.**

## BRAZIL

**ENERGE S.A. ★**
**Affiliate of Nutrimental S.A.**
BR 280, Km. 58, Guaramirim, Santa Catarina,
89258, Ph. 55/0473/730355; TLX: 474497.
**CONTACT:** Luis Augusto de Mello
**SOITEX-E, SOITEX-P and SOITEX IN60 soy flour for bakery and meat industries; PTS textured soy flour for use as meat extender; SOITEX-2095 and SOITEX-2145 full fat flour for milk and egg replacers and baked goods/confection.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
MAIN OFFICE: Praca Osvaldo Cruz, 15-16°,
P.O. Box 2016, Porto Alegre, RS, 90030,
Ph. 0512/21-2200; TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.
**PROVESOL soy flour: full fat and defatted.**

## CANADA

**VICTORY SOYA MILLS LTD. ★**
**Division of Central Soya Company, Inc.**
**Ft. Wayne, IN, USA**
333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2,
Ph. 416/363-8771.
**CONTACT:** Murray Davis
**Soy flour.**

## COSTA RICA

**PRODUCTORA COSTARRICENSE DE ALIMENTOS ★**
Apartado 8-5780, 1000 San Jose,
Ph. 542770 or 542398.
**CONTACT:** Eugenio Valenciano, Plant Mgr.
**Full fat soy flour.**

## ENGLAND

**THE BRITISH ARKADY CO. LTD. ★**
**Affiliate of Archer Daniels Midland Co., Decatur, IL, USA**
Skerton Rd., Old Trafford,
Manchester M16 ONJ, Ph. 061/872-7161;
TLX: 668488 (ARKADY G).
**CONTACT:** W. Pringle, Gen. Mgr.
**ARKASOY soy flour, textured soy flour, HISOY (heat processed) and DOSOY (enzyme active) full fat flour.**

**SPILLERS PREMIER PRODUCTS LTD. ★**
Puckeridge, Ware, Hertfordshire, SG11 1RW,
Ph. 44/920/821291; TLX: 81352 (SPP G).
**CONTACT:** Paul Blacklin, Export Mgr.
**TRUSOY and BREDSOY full fat soy flour.**

## FEDERAL REPUBLIC OF GERMANY

**EDELSOJA GmbH ★**
**Affiliate of Oelmuhle Hamburg AG and Lucas Meyer GmbH**
Ausschlager Elbdeich 62, D-2000 Hamburg 28,
Ph. 040/781708; TLX: 2163220 (MEYER D).
**CONTACT:** Karl-Otto Tielker
**NURUPAN, SOYAPAN and SOYAMIN soy flour: full fat and defatted, toasted and untoasted.**

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Bad Homburg, Ph. 06172/22046;
TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.
**PROTISOYA defatted, full fat and defatted toasted soy flour; SUPROTEX-50 textured soy flour; INTERPAN-T full fat toasted flour.**

**OELMUHLE HAMBURG AG ★**
Kohlbrandstrasse 1, P.O. Box 930320,
D-2102 Hamburg 93, Ph. 751941;
TLX: 2163537 (OLAG D).
**CONTACT:** Arnd van Wissel
**Soy flour.**

**STERN-CHEMIE VOLKMAR WYWIOL ★**
An der Alster 81, D-2000 Hamburg 1,
Ph. 040/2/483001; TLX: 2-162052 (STAR D).
**CONTACT:** Juergen Woerner
**Soy flour: full fat and defatted, toasted and untoasted.**

## FRANCE

**ALIDOC ★**
**Affiliate of Cooperative Occitane**
Site Industrial Saint Antoine, 81000 Albi,
Ph. 63/453522; TLX: 531051 (COOCITA).
Main office: Lavaur, FRANCE.
**CONTACT:** Yvon Matha
**Full fat soy flour.**

**CHERWELL-RALLI EUROPE ★**
Z.I. de Rouxmesnil Bouteilles, P.O. Box 147,
76204 Dieppe, Ph. 33/3582-7285; TLX: 180655
(CHERLI). Other office: Evergem, BELGIUM.
**Full fat soy flour.**

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**PROTISOYA soy flour; PERSOYA, SOYASOL and F.C.B.S. full fat soy flour.**

## GREECE

**SOYA HELLAS S.A.**
48 Voukovrestiov St., Athens,
Ph. 30/1/363-7749, 363-3663 or 360-6889;
TLX: 219074 (SOYA GR).
**CONTACT:** K. Tsatsios
**Full fat soy flour.**

## GUATEMALA

**ALIMENTOS S.A. ★**
Km. 14½, Carretera a el Salvador, Apartado Postal No. 8, Puerta Parada, Guatemala City,
Ph. 301268; TLX: 4182 (CERCEN GU).
**CONTACT:** Carlos F. Tejada, Gen. Mgr.
**Soy flour and textured soy flour.**

## HAITI

**ENTREPRISE NATIONALE DES OLEAGINEUX (ENAOL)**
P.O. Box 13460, Delmas, Port au Prince,
Ph. 2/0444, 4582 or 4589;
TLX: 2030550 (ENAOL).
**CONTACT:** Wilner Dessources, Gen. Mgr.
**Soy flour.**

## INDIA

**ALLANA OIL MILLS ★**
MAIN OFFICE: Allana House, 4 Allana Rd.,
G.P.O. Box 997, Bombay 400039,
Ph. 91/22/240115; TLX: 11-3317 or 11-4849 (ALNA IN).
**CONTACT:** B. Mallik or K.C. Mehta
**Soy flour.**

**ALPINE SOLVEX LTD. ★**
MAIN OFFICE: 10-11 Yeshwant Niwas Rd.,
Indore 452003, M.P., Ph. 91/0731/37356;
TLX: 735216 (FOOD IN) or 735378 (ALSO IN)
**CONTACT:** M.C. Badami
**Soy flour and full fat soy flour.**

**BOMBAY EXTRACTIONS LTD. ★**
Daya Mandir, 1st Floor, 123-25 Mumbadevi Rd.,
Bombay 400003, Ph. 328259 or 328196,
TLX: 11-75472 (BELL IN).
**CONTACT:** R.K. Mudholkar, Sales Mgr.
**Soy flour.**

**THE MALWA VANASPATTI & CHEMICAL CO. LTD. ★**
Mohatta Nagar, Indore 452003, Ph. 23251;
TLX: 0735-228 (MVCC IN).
**CONTACT:** C.S. Radhakrishnan, Pres.
**De-oiled cake or flakes.**

**PREMIER EXTRACTIONS LTD.**
MAIN OFFICE: 107 Chetak Centre, 12/2 R.N.T. Marg, Indore 452001, M.P., Ph. 91/0731/5989 or 38705; TLX: 735306 (PREM IN).
**CONTACT:** G.L. Agrawal, Mgr. Dir.
**Soy flour.**

**PRESTIGE FOODS LTD. ★**
30, Jaora Compound, M.Y.H. Rd., Indore 452001, M.P., Ph. 32075-78 or 4633;
TLX: 0735-205 (PFM IN).
**CONTACT:** N.N. Jain, Mgr. Dir.
**Soy flour.**

**UNITED SOY PRODUCTS LTD ★**
**Affiliate of United Group Venture, New Delhi**
E-1/177, Arera Colony, Bhopal 462014 M.P.,
Ph. 64735; TLX: 0705-216 (SICO IN).
**CONTACT:** R.K. Dublish
**Full fat soy flour and textured soy flour (TVP, extruded).**

**VIPPY SOLVEX PRODUCTS LTD. ★**
28, Industrial Area, A.B. Rd., Dewas 455001,
M.P., Ph. 2581 or 2582; TLX: 0732-201.
**CONTACT:** Pradash C. Mutha
**Soy flour.**

## ISRAEL

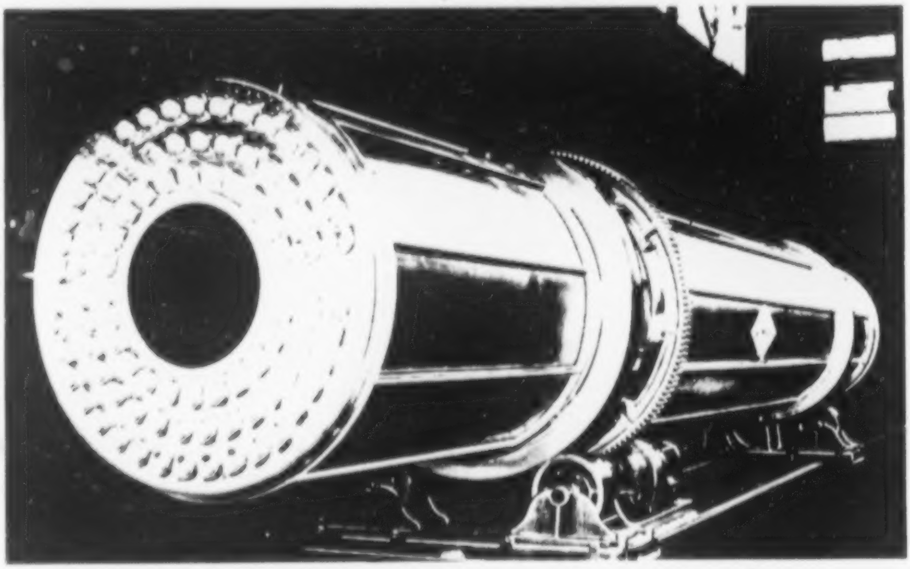
**ETZ HAZAYITH LTD. ★**
**Subsidiary of Koor Foods Ltd.**
Rehov Shenkar 1, P.O. Box 193,
Petah Tikva 49101, Ph. 03/922-7171;
TLX: 341859 (ETZHL IL).
**CONTACT:** U. Sharir, Gen. Mgr.
**Soy flour.**

**HAYES ASHDOD LTD.**
**Subsidiary of Koor Foods Ltd.**
Habosem St., Industrial Zone, P.O. Box 2230,
Ashdod 77121, Ph. 972/55/24251;
TLX: 371885 (HAYES IL).
**CONTACT:** Tom Klein, Managing Dir.
**Soy flour.**

**SHEFA PROTEIN INDUSTRY LTD.**
**Affiliate of Israel Edible Food Ltd.**
12 Htaasya St., P.O. Box 39, Arad 80700,
Ph. 57/957860 or 958049;
TLX: 5206 (SHEFA IL).
**CONTACT:** Dan Tov, Plant Mgr.
**Soy flour.**

## ITALY

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)**
MAIN OFFICE: Via le Reiter, 130,
41100 Modena, Ph. 059/222571;
TLX: 510138 (SIO MO I).
**CONTACT:** Giancarlo Zelocchi, Mgr. Dir.
**Soy flour.**



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## JAPAN

**FUJI OIL CO., LTD. ★**
MAIN OFFICE: Nihonseimei Midosuji Hachimancho Bldg., 6-1 Hachimancho, Minamiku, Osaka 542, Ph. 81/06/213-8151; TLX: 522-2057 (FUJI OS J).
**CONTACT:** Yukio Miyazawa, Sr. Mgr. Dir.
**TAKARAMAME soy flour; FUJINIK ACE, FUJIPUR SP and NEW SOYEES textured soy flour.**

**HOHNEN OIL CO. LTD. ★**
MAIN OFFICE: Mitsui Life Insurance Bldg., 2-3 Ohtemachi, 1-Chome, Chiyoda-ku, Tokyo 100, Ph. 03/211-6511; TLX: 222-3084 (HONEN J).
**CONTACT:** Masaru Okahana, Asst. Mgr., Raw Materials Section.
**Soy flour.**

**NIKKA FATS & OILS CO., LTD. ★**
1-8-1, Kitahama, Nakamatsu-ku, Kitakyushu 808, Ph. 093/761-2635.
**CONTACT:** S. Shirakawa, Plant Mgr.
**NIKKA MILKY soy flour; S-LIPO full fat soy flour.**

**SHOWA SANGYO CO., LTD. ★**
MAIN OFFICE: 2-1, 2 Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 03/257-2020 or 222-6336.
**CONTACT:** Fumio Kobayashi, Mgr. Oil & Fat Dept.
**SANGYO-MAME soy flour for making tofu.**

## KOREA

**CHEIL SUGAR & CO. LTD. ★**
MAIN OFFICE: Dong Bang Main Bldg., 17th Floor, 150, 2-Ka, Taepyung-Ro, Chung-ku, Seoul 100, Ph. 02/7518-514; TLX: 29359 (CHESUCO K).
**CONTACT:** J.H. Kim, Gen. Mgr.
**Soy flour.**

**DONG BANG CORPORATION ★**
MAIN OFFICE: 2, 4-Ka, Yangpyong-dong, Yungdungpo-ku, C.P.O. Box 3031, Seoul 150, Ph. 82/02/676-9121; TLX: 27334 (DBCORP).
**CONTACT:** Jang Hong Yoo, Dir.
**HAEPYO soy flour and textured soy flour.**

## MEXICO

**INDUSTRIAL DE ALIMENTOS S.A. ★**
Poniente 146, No. 789, 02300 Mexico D.F., Ph. 905/567-4022.
**CONTACT:** Antonio Mouret, Sales Mgr.
**Soy flour, textured soy flour and full fat soy flour.**

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V. ★**
Manuel Gonzalez No. 165, Col. Atlampa, Mexico D.F. 06450, Ph. 90/5/583-4022, TLX: 1772498 (POLA ME).
**CONTACT:** Diego Gutierrez, Production Mgr.
**Soy flour.**

## NETHERLANDS

**A.D.M. EUROPOORT ★**
**Affiliate of Archer Daniels Midland Co. Decatur, IL, USA**
Elbeweg 125, Europoort Rd., 3198 LC Europoort, Ph. 31/1819/63055; TLX: 29662.
**CONTACT:** Wim Groenenboom
**Soy flour.**

**CARGILL B.V. ★**
**Affiliate of Cargill, Inc., Minneapolis, MN, USA**
Coenhavenweg 2, P.O. Box 8074, 1013BL Amsterdam, Ph. 31/020/580-1911.
**CONTACT:** Bob Hamaker
**Soy flour and textured soy flour.**

**FA. L.I. FRANK**
Oude Rijksstraatweg 32-40, P.O. Box 46, 7390AA Twello, Ph. 031/05712/2141 or 2131; TLX: 49350 (FRANK NL).
**CONTACT:** C.V.M Miedendorp de Bie
**SUNSOY soy flour.**

**SOLNUTS B.V. ★**
Swaardvenstraat 41, P.O. Box 5066,/ 5004 EB Tilburg, Ph. 013/684991; TLX: 52654 (SOLNU NL).
Other offices: Solnuts, Inc., USA; Witte Wonder B.V., Poeldijk, NETHERLANDS.
**CONTACT:** W. Bakker (01749/45999)
**Enzyme active and enzyme inactive full fat soy flour.**

## SOUTH AFRICA

**JABULA FOODS LTD.**
**Affiliate of Premier Food Industries, Ltd.**
P.O. Box 818, Springs, Transvaal 1560, Ph. 011/813-2232; TLX: 421386.
**CONTACT:** Sales Office
**JABULA full-fat soy flour.**

## SPAIN

**ACEITES Y PROTEINAS S.A. (ACEPROSA) ★**
Repelega S/N°, P.O. Box 6, 48920 Portugalete, Vizcaya, Ph. 94/4965111; TLX: 32753 (ACEPR E).
**CONTACT:** Juan Leguina, Sales Mgr.
**EMULSOY soy flour; fully extracted and toasted, in bulk and bags; fully toasted and untoasted full fat for encimatic uses.**

**KELSA S.A. ★**
El Burgo, P.O. Box 582, 15080 La Coruna, Ph. 981/661150; TLX: 82142 (KELSA E).
**CONTACT:** Ramon P. Gorospe, Sales Mgr.
**Soy flour.**

## TAIWAN

**FONG-MAO INDUSTRIES CO. LTD. ★**
No. 42-13 Houpi Village, Houpi, Tainan 73101, Ph. 886/6/687-1111.
**CONTACT:** K.Y. Lin, Gen. Mgr.
**Full fat soy flour.**

**FWU SOW GRAIN PRODUCTS CO., LTD.**
MAIN OFFICE: 45, Sha-Tyan Rd., Sha-Lu 43306, Taichung, Ph. 886/046/362111; TLX: 22237 (FWUSOW)

**CONTACT:** Chia Yuh Trading Co., Ltd., 70, Ningpo St., Taipei
**LUCKY soy flour.**

**GREAT WALL ENTERPRISE CO., LTD. ★**
No. 3, Niao-Sung 2nd St., Niao-Sung Village,
Yung-Kung Hsiang, Tainan Hsien 71004,
Ph. 06/253-1111; TLX: 71351 (GREATAL).
**CONTACT:** John C.J. Ou, Mgr.
**Soy flour and full fat soy flour.**

### TURKEY

**PAKSOY TICARET ve SANAYI A.S. ★**
Karatas Yolu 184, P.O. Box 144, Adana,
Ph. 90/711/14666; TLX: 62739 (SADE TR).
**CONTACT:** Ibrahim Paksoy
**Soy flour.**

**SUMERBANK SOYA SANAYII MUESSESESI**
P.K. 4, PTT Kod. No. 52001, Ordu,
Ph. 371/11363 or 11611; TLX: 74510.
**CONTACT:** Ibrahim Kilic, Dir.
**SUMERBANK soy flour.**

## SOY GRITS

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
**CONTACT:** Joe Meyer
**Soy grits.**

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
**Soy grits.**

**CARGILL, INC. ★**
P.O. Box 3428, Bloomington, IL 61702,
Ph. 309/827-7100.
Main office: Minneapolis, MN.
**CONTACT:** Dave Cyrus
**Soy grits.**

**CARGILL, INC. ★**
P.O. Box 119, Lafayette, IN 47902,
Ph. 317/423-1511.
Main office: Minneapolis, MN.
**CONTACT:** Paul Hiemenz
**Soy grits.**

**CARGILL, INC. ★**
411 6th St., NE, P.O. Box 1748,
Cedar Rapids, IA 52406, Ph. 319/399-4000.
Main office: Minneapolis, MN.
**CONTACT:** Jim Bohlander
**Soy grits.**

**LAUHOFF GRAIN COMPANY ★**
**Div. of Bunge Corporation**
P.O. Box 571, Danville, IL 61834,
Ph. 217/442-1800; TLX: 404465 (LAUHOFF GR DAN); TWX: 910-244-1453 (LAUHOFFGRAIN).
**CONTACT:** Robert Linn
**Soy grits.**

### AUSTRALIA

**RIVERLAND VEGETABLE OILS PTY. LTD.**
46-50 McDonald St., P.O. Box 177, Numurkah,
Victoria 3636, Ph. 058/621666.
**CONTACT:** Andre Day, Mgr. Dir.
**NATURES FAMILY soy grits.**

**SOY PRODUCTS OF AUSTRALIA PTY. LTD. ★**
69 Power Rd., P.O. Box 66, Bayswater,
Victoria 3153, Ph. 03/729-1738.
**CONTACT:** E.P. Smith
**Soy grits and flakes for meat extenders and muesli mixes.**

### BRAZIL

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
MAIN OFFICE: Praca Osvaldo Cruz, 15-16°,
P.O. Box 2016, Porto Alegre, RS, 90030,
Ph. 0512/21-2200; TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.
**PROTIDEAL soy grits.**

### ENGLAND

**THE BRITISH ARKADY CO. LTD. ★**
**Affiliate of Archer Daniels Midland Co., Decatur, IL, USA**
Skerton Rd., Old Trafford,
Manchester M16 ONJ, Ph. 061/872-7161;
TLX: 668488 (ARKADY G).
**CONTACT:** W. Pringle, Gen. Mgr.
**ARKADY grits.**

### FEDERAL REPUBLIC OF GERMANY

**EDELSOJA GmbH ★**
**Affiliate of Oelmuhle Hamburg AG and Lucas Meyer GmbH**
Ausschlager Elbdeich 62, D-2000 Hamburg 28,
Ph. 040/781708; TLX: 2163220 (MEYER D).
**CONTACT:** Karl-Otto Tielker
**Soy grits and soy bran.**

### FRANCE

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**DYNASOYA 3-8 soy grits.**

### INDIA

**ALLANA OIL MILLS ★**
MAIN OFFICE: Allana House, 4 Allana Rd.,
G.P.O. Box 997, Bombay 400039,
Ph. 91/22/240115; TLX: 11-3317 or 11-4849
(ALNA IN).
**CONTACT:** B. Mallik or K.D. Mehta
**Soy grits.**

**ALPINE SOLVEX LTD. ★**
MAIN OFFICE: 10-11 Yeshwant Niwas Rd.,
Indore 452003, M.P., Ph. 91/0731/37365;
TLX: 735216 (FOOD IN) or 735378 (ALSO IN).
**CONTACT:** M.C. Badami
**Soy grits.**

**BOMBAY EXTRACTIONS LTD. ★**
Daya Mandir, 1st Floor, 123-25 Mumbadevi Rd.,
Bombay 400003, Ph. 328259 or 328196;
TLX: 11-75472 (BELL IN).
**CONTACT:** R.K. Mudholkar, Sales Mgr.
**Soy grits.**

**PREMIER EXTRACTIONS LTD.**
MAIN OFFICE: 107 Chetak Centre, 12/2 R.N.T.
Marg, Indore 452001, M.P., Ph. 91/0731/5989
or 38705; TLX: 735306 (PREM IN).
**CONTACT:** G.L. Agrawal, Mgr. Dir.
**Soy grits.**

**VIPPY SOLVEX PRODUCTS LTD. ★**
28, Industrial Area, A.B. Rd., Dewas 455001,
M.P., Ph. 2581 or 2582; TLX: 0732-201.
**CONTACT:** Pradash C. Mutha
**Soy grits.**

### ISRAEL

**HAYES ASHDOD LTD.**
**Subsidiary of Koor Foods Ltd.**
Habosem St., Industrial Zone, P.O. Box 2230,
Ashdod 77121, Ph. 972/55/24251;
TLX: 371885 (HAYES IL).
**CONTACT:** Tom Klein, Managing Dir.
**SOBIT soy grits.**

**SHEFA PROTEIN INDUSTRY LTD.**
**Affiliate of Israel Edible Food Ltd.**
12 Htaasya St., P.O. Box 39, Arad 80700,
Ph. 57/957860 or 958049;
TLX: 5206 (SHEFA IL).
**CONTACT:** Dan Tov, Plant Mgr.
**Soy grits.**

### KOREA

**CHEIL SUGAR & CO., LTD. ★**
MAIN OFFICE: Dong Bang Main Bldg.,
17th Floor, 150, 2-Ka, Taepyung-Ro, Chung-ku,
Seoul 100, Ph. 02/7518-514;
TLX: 29359 (CHESUCO K).
**CONTACT:** J. H. Kim, Gen. Mgr.
**Soy grits.**

### MEXICO

**INDUSTRIAL DE ALIMENTOS S.A. ★**
Poniente 146, No. 789, 02300 Mexico D.F.,
Ph. 905/567-4022.
**CONTACT:** Antonio Mouret, Sales Mgr.
**Soy grits.**

### NETHERLANDS

**A.D.M. EUROPOORT ★**
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
Elbeweg 125, Europoort Rd., 3198 LC Europoort,
Ph. 31/1819/63055; TLX: 29662.
**CONTACT:** Wim Groenenboom
**Soy grits.**

**CARGILL B.V. ★**
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
Coenhavenweg 2, Box 8074,
1013BL Amsterdam, Ph. 31/020/580-1911.
**CONTACT:** Bob Hamaker
**Soy grits.**

**FA. L.I. FRANK**
Oude Rijksstraatweg 32-40, P.O. Box 46,
7390AA Twello, Ph. 031/05712/2141 or 2131;
TLX: 49350 (FRANK NL).
**CONTACT:** C.V.M. Miedendorp de Bie
**SUNSOY soy grits.**

## EDIBLE REFINED SOY OIL

### UNITED STATES

**AG PROCESSING INC ★**
900 Lower Lake Rd., P.O. Box 427,
St. Joseph, MO 64502, Ph. 816/238-1700.
Main office: Omaha, NE.
**CONTACT:** Doug Forsberg, Merch. Mgr. or
Mike Turpin, Plant Mgr.
**Fully refined oil, in bulk, by truck and rail.**

**ARCHER DANIELS MIDLAND CO. ★**
1265 6th St., P.O. Box 1603, Macon GA 31297,
Ph. 912/743-9571. Main office: Decatur, IL
**CONTACT:** James Stowell (217/424-5200)
**Fully refined oil, in bulk, by truck and rail. Also available in 55 gal. drums.**

**ARCHER DANIELS MIDLAND CO. ★**
4666 Faries Pkwy., P.O. Box 1470,
Decatur, IL 62525, Ph. 217/424-5200.
Main office also at Decatur.
**CONTACT:** James Stowell
**Fully refined oil, in bulk, by truck and rail. Also available in 55 gal. drums.**

**ARCHER DANIELS MIDLAND CO. ★**
1935 N. Euclid, Des Moines, IA 50316,
Ph. 515/263-3250. Main office: Decatur, IL.
**CONTACT:** James Stowell (217/424-5200)
**Fully refined oil, in bulk, by truck and rail.**

**ARCHER DANIELS MIDLAND CO. ★**
78th & Thayer, P.O. Box 29268, Havelock Sta., Lincoln, NE 68529, Ph. 402/464-9131.
Main office: Decatur, IL.
**CONTACT:** James Stowell (217/424-5200)
**Fully refined oil, in bulk, by truck and rail. Also available in 55 gal. drums.**

**C.&T. REFINERY, INC. ★**
4918 South Blvd., Charlotte, NC 28210,
Ph. 704/523-0414. Main office: Richmond, VA.
**CONTACT:** Bob Holden, VP Sales (804/359-5786)
**Fully refined oil, in bulk, by truck and rail. Also available in 55 gal. drums or 5 gal. containers.**

**CAPITAL CITY PRODUCTS COMPANY ★**
525 W. 1st Ave., P.O. Box 569, Columbus, OH 43216-0569, Ph. 614/299-3131; TLX: 245494 (CAPCTY PRD COL).
**CONTACT:** L. W. Henke, Frank J. Citino or Phil A. Gullatta
**Fully refined oil, in bulk (min. 20,000 lbs.), by truck and rail. Also available in 55 gal. drums or 5 gal. containers.**

**CENTRAL SOYA COMPANY, INC. ★**
1200 N. Second St., P.O. Box 1002, Decatur, IN 46733-5002, Ph. 219/724-2101; TLX: 6711149 (CENSOY UW). Main office: Fort Wayne, IN.
**CONTACT:** Gary Chenoweth (219/425-5609)
**Fully refined oil, in bulk, by truck and rail. Also available in 55 gal. drums.**

**CENTRAL SOYA COMPANY, INC. ★**
605 Goodrich Rd., P.O. Box 369,
Bellevue, OH 44811, Ph. 419/483-2392.
Main office: Fort Wayne, IN.
**CONTACT:** Dan Kramer (219/425-5752)
**Fully refined oil, in bulk, by truck and rail. Also available in 55 gal. drums.**

**CENTRAL SOYA COMPANY, INC. ★**
Judd Rd., P.O. Box 5067, Chattanooga, TN 37406, Ph. 615/629-7341.
Main office: Fort Wayne, IN.
**CONTACT:** Bob Weatherly
**Fully refined oil, in bulk, by truck and rail. Also available in 55 gal. drums.**

**DURKEE INDUSTRIAL FOODS CORP. ★**
Joliet, IL. Main office: Cleveland, OH
**CONTACT:** C. E. Land, Jr. (216/344-8312)
**Fully refined oil, in bulk (min. 40,000 lbs.), by truck and rail. Also available in 55 gal. drums.**

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO).
**CONTACT:** Dave Schostag (507/345-2251)
**Fully refined oil, in bulk, by truck and rail.**

**MALLET AND CO., INC. ★**
Bell Ave. & Rosslyn Rd., P.O. Box 474,
Carnegie, PA 15106, Ph. 412/276-9000.
**CONTACT:** A.E. Margolis
**Fully refined oil, in bulk (min. 15,000 lbs.), by truck. Also available in 55 gal. drums, 5 gal. containers or 1 gal. containers.**

**PENTA MANUFACTURING COMPANY ★**
P.O. Box 1452, West Caldwell, NJ 07007,
Ph. 201/575-7475; TLX: RCA 219472 (PENT UR).
**CONTACT:** George M. Volpe
**Fully refined oil, in bulk (min. 3,000 gal.), by truck. Also available in 55 gal. drums, 5 gal. containers or 1 gal. containers.**

**PERDUE INC. ★**
P.O. Box 1537, Salisbury, MD 21801,
Ph. 301/543-3000; TLX: 710-864-7035 (PB SBY).
**CONTACT:** Keith Darby
**Fully refined oil, in bulk, by truck and rail.**

**QUINCY SOYBEAN CO. ★**
Hwy. 20 S., P.O. Box 70, Helena, AR 72342,
Ph. 501/338-6481; TLX: 404421 (QCY SOYBEAN).
Main office: Quincy, IL.
**CONTACT:** Richard P. Schuering (217/224-1800)
**Fully refined oil, in bulk, by truck and rail.**

**RICELAND FOODS, INC. ★**
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501/673-5500; TLX: 240064 (RLND UR); TWX: 910-720-6240 (ARK GRAIN CO).
**CONTACT:** L. H. Dodson, VP Oil Refining
**Fully refined oil, in bulk (min. 150,000 lbs. - rail; min. 45,000 lbs. - truck). Also available in 55 gal. drums.**

**TOWNSENDS, INC. ★**
Route 24 E., P.O. Box 468, Millsboro, DE 19966,
Ph. 302/934-3015.
**CONTACT:** Seth Taylor, Merch. Mgr.
**Fully refined oil, in bulk (min. 40,000 lbs.), by truck.**

## SOY OIL PRODUCTS
## Margarine, Shortening, Cooking/Salad Oil, Salad Dressing

### UNITED STATES

**ALLFRESH FOOD PRODUCTS, INC.**
2156 Green Bay Rd., Evanston, IL 60201,
Ph. 312/869-3100.
**CONTACT:** Thomas A. Bourelly, Pres.
**Margarine, shortening, cooking/salad oil.**

**ANDERSON CLAYTON FOODS, INC.**
12221 Merit Dr., P.O. Box 660037,
Dallas, TX 75266, Ph. 214/450-6000.
**CONTACT:** R. C. Edmonson, VP Operations
**Nationally advertised, control and private label brands. CHIFFON, MRS. TUCKER/KURBA, FLAIR, VELVET, FLAKO, LOG CABIN and GOLDEN MIST margarine, shortening and cooking/salad oil.**

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy., P.O. Box 1470,
Decatur, IL 62525, Ph. 217/424-5200;
TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
**Margarine, shortening, cooking/salad oil and salad dressing.**

**BUNGE EDIBLE OIL CORPORATION ★**
MAIN OFFICE: 725 N. Kinze Ave., P.O. Box 192, Kankakee, IL 60901, Ph. 815/933-0600; TLX: 0640059 (BBA).
**CONTACT:** Thomas Pfendler, VP
**Margarine, shortening and cooking/salad oil.**

**CAPITAL CITY PRODUCTS COMPANY ★**
525 W. 1st Ave., P.O. Box 569, Columbus, OH 43216-0569, Ph. 614/299-3131; TLX: 245494 (CAPCTY PRD COL).
**CONTACT:** L. W. Henke, Frank J. Citino or Phil A. Gullatta
**Margarine, shortening, cooking/salad oil.**

**CENTRAL VALLEY VEGETABLE OILS ★**
2838 Leonis Blvd., Los Angeles, CA 90058, Ph. 213/587-5952; TLX: 691556 (PROIN LSA).
**CONTACT:** Jaime Ruiz
**MANCAO margarine.**

**COLFAX INC. ★**
MAIN OFFICE: 38 Colfax St., Pawtucket, RI 02860, Ph. 401/724-3800.
**CONTACT:** Michael B. Dressler
**COLFAX and private label shortening and cooking/salad oil.**

**CONWAY OIL COMPANY ★**
1405 W. Washington St., Denison, TX 75020, Ph. 214/465-3655.
**CONTACT:** John R. Davis, Pres.
**Margarine, shortening, cooking/salad oil and salad dressing.**

**DURKEE INDUSTRIAL FOODS CORP. ★**
925 Euclid Ave., Cleveland, OH 44115, Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
**CONTACT:** C. E. Land, Jr. (216/344-8312)
**DURKEE margarine, shortening and cooking/salad oil.**

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247, Mankato, MN 56002, Ph. 507/625-7911; TLX: 290867 (HONEYMEAD MAKO).
Other plant at Fridley, MN.
**CONTACT:** Dave Schostag (507/345-2251)
**Margarine, shortening, cooking/salad oil and salad dressing.**

**KRAFT, INC. ★**
**Industrial Foods Division**
White Station Tower, 5050 Poplar Ave., P.O. Box 398, Memphis, TN 38157, Ph. 901/766-4361; TLX: 534025 (KRAFT TRA MFS).
**Margarine, shortening, cooking/salad oil and salad dressing.**

**LEVER BROTHERS COMPANY ★**
**Affiliate of Unilever, London & Rotterdam**
390 Park Ave., New York, NY 10022, Ph. 212/906-4743; TLX: 666113 (LBCOM).
**CONTACT:** David Italiaander, Mgr. Fats & Oil Trading
**CLASSIC QUARTERS, COUNTRY CROCK, IMPERIAL, PROMISE and SHEDD's SPREAD margarine.**

**MALLET AND CO., INC. ★**
Bell Ave. & Rosslyn Rd., P.O. Box 474, Carnegie, PA 15106, Ph. 412/276-9000.
**CONTACT:** A.E. Margolis
**SATIN GLO, SATIN FRY, PRIME FRY, SATIN DONUT FRY, SATIN BAKE and SATIN PLUS shortening. MELLO GOLD and MELLO SUPREME cooking/salad oil.**

**THE MIAMI MARGARINE COMPANY ★**
5226 Vine St., Cincinnati, OH 45217, Ph. 513/242-2310; TLX: 241383 (MIAMI MARG CIN).
**CONTACT:** Robert O. Clark
**NUMAID margarine, MIAMI shortening, SUPREME cooking/salad oil and RICH N EGG salad dressing. Also, all products are manufactured under private label.**

**QUALITY FOOD OILS, INC. ★**
87 Pickett District Rd., New Milford, CT 06811, Ph. 203/355-9421; TLX: 4973218.
**CONTACT:** Anthony Capizzi
**SUNOLA cooking/salad oil.**

**RICELAND FOODS, INC. ★**
10800 Financial Pkwy., Suite 380, P.O. Box 8201, Little Rock, AR 72212, Ph. 501/225-0936; TLX: 240064 (RLND UR); TWX: 910-720-6240 (ARK GRAIN CO). Main office: Stuttgart, AR.
**CONTACT:** L.H. Meinholz or Ed Patterson
**CHEF-WAY shortening and cooking/salad oil.**

**SAFEWAY STORES INC.**
**Grocery Manufacturing Div.**
Oakland, CA 94660. Ph. 415/944-4527. Plants at: Richmond, CA; Denison, TX; Grandview, WA.
**CONTACT:** Frank Bienati, Section Mgr.
**Private label margarine, shortening, cooking/salad oil, mayonnaise, salad dressing.**

**TOWNSENDS, INC. ★**
Route 24 E., P.O. Box 468, Millsboro, DE 19966, Ph. 302/934-3015.
**CONTACT:** Seth Taylor, Merch. Mgr.
**Cooking/salad oil.**

**WILSEY FOODS, INC. ★**
14840 E. Don Julian Rd., City of Industry, CA 91746, Ph. 818/336-4527; TLX: 670351 (WLSECORP).
Other locations: Los Angeles and Oakland, CA; Atlanta, GA; Bayonne and Carteret, NJ; Salem, OR; Knoxville, TN; Fort Worth, TX.
**CONTACT:** Customer Service at nearest location.
**BAK-TEX, CAKE TONE, CHEF'S PRIDE, CHURN SPREAD, CREAM FLAKE, DO KING, EVERGOOD, FANCY FRY, FLAKO, FRY-IT, GOLD-N-EG, GOLD-N-OIL, GOLD-N-RICH, GOLD-N-SWEET, HALF-CAL, HANDI-POP, HI-LIFE, HY-TOP, MELLO MOIST, MOVIE-POP, ONE PLUS TWO, OUR BETR FRY, RICHENOL, ROLLITE, SAFFOLA, SAVORY, SUPER HY-CAKE, TABLE MAID, TRAILHAND, VOPCO, VO-POP, W.B. and WHITE CAP soy oil products.**

## ARGENTINA

**MOLINOS RIO DE LA PLATA S.A.**
MAIN OFFICE: Paseo Colon 746,
Buenos Aires 1323, Ph. 54/111/30-8463,
30-8485, 33-3002 or 33-3003;
TLX: 22270 (MRPSA AR).
**CONTACT:** Juan D. Protto
**DELICIA, MANTY and FAVORITA margarines; shortening; COCINERO, RIO, IDEAL and GALLO cooking/salad oils.**

**SWIFT ARMOUR S.A.**
MAIN OFFICE: Av. L.N. Alem, 986,
Buenos Aires 1001,
Ph. 311-6263, 311-5001, 312-6880 or 313-5200;
TLX: 17587, 9206 or 23147 (SWIFT AR).
**CONTACT:** Sales Department
**LA CRIOLLA cooking/salad oil.**

## AUSTRIA

**OSTERREICHISCHE UNILEVER GmbH**
**Kuner Division**
**Affiliate of Unilever N.V., Rotterdam**
MAIN OFFICE: Rosengasse 4, A-1011 Vienna,
Ph. 6619-500; TLX: 114080 or 115083.
**CONTACT:** Sales Office
**Blended margarine, cooking/salad oil.**

## BELGIUM

**N.V. UNION ★**
Borrewaterstraat 182, B-2060 Antwerp,
(Merksum), Ph. 32/3/640-0201; TLX: 34895
(SOL B).
**CONTACT:** L.J.P. Janssens, Mgr.
**Margarine, shortening, cooking/salad oil.**

**N.V. VANDEMOORTELE ★**
Prins Albertlaan 12, 8700 Izegem,
Ph. 32/51/332211; TLX: 81622 (VAMO B).
**CONTACT:** Jose Claerhout
**FAMA margarine, SPEECO shortening and VANDEMOORTELE cooking/salad oil.**

## BRAZIL

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
MAIN OFFICE: Praca Osvaldo Cruz, 15-16°,
Porto Alegre, RS, 90030, Ph. 0512/21-2200;
TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.
**VIOLETA cooking/salad oil.**

**INDUSTRIA DE OLEOS PACAEMBU S.A.**
Rua Silva Teles, 1465, Sao Paulo, SP, 03026,
Ph. 011/291-8844; TLX: 22374 (IOLP)
**CONTACT:** Kanji Adachi, Mgr.
**PACAEMBU cooking/salad oil.**

**INDUSTRIAS J.B. DUARTE S.A. ★**
MAIN OFFICE: Rua dos Patriotas, 1382,
P.O. Box 1002, Sao Paulo, SP, 04207,
Ph. 55/11/274-8211; TLX: 11-21226, 33172 or
36622 (IJBD BR).
**CONTACT:** Archimedes Jorge Cortellazzi
**JB shortening and VIDA, CERES and MARIA cooking/salad oil.**

**RESEGUE INDUSTRIA E COMERCIO S.A.**
MAIN OFFICE: Rua Marie Paula, 88,
P.O. Box 3991, Sao Paulo, SP, 01319,
Ph. 011/259-2000; TLX: 24762 or 25303 (IROV BR).
**CONTACT:** Pedro Laercio Fancio, Mgr.
**TATA shortening, MINDOL cooking/salad oil.**

## CANADA

**CANADA PACKERS, INC.**
**Edible Oils Division**
1260 Mill St., Montreal, Quebec H3K 2B4,
Ph. 514/934-6591; TLX: 0556061.
Main office: Toronto, Ont.
**CONTACT:** Jean Paul Faille, Plant Mgr.
**Margarine, shortening, cooking/salad oil.**

**CANADA PACKERS, INC.**
**Edible Oils Division**
30 Weston Rd., Toronto, Ont. M6N 3P4,
Ph. 416/761-4234;
TLX: 069-69539 (CDAPACKOIL TOR).
Main office also at Toronto, Ont.
**CONTACT:** Art Cyr, Plant Mgr.
**Margarine, shortening, cooking/salad oil.**

**CANADA PACKERS, INC.**
**Edible Oils Division**
P.O. Box 636, Wainwright, Alberta T0B 4P0,
Ph. 403/842-6154; TLX: 03741603.
Main office: Toronto, Ont.

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**CONTACT:** Doug Sparks
**Margarine, shortening, cooking/salad oil.**

**CANADA PACKERS, INC.**
**Edible Oils Division**
6600 Marion St., Winnipeg, Man. R2J 0K4,
Ph. 204/237-9811; TLX: 0757729.
Main office: Toronto, Ont.
**CONTACT:** Jack Cummings, Plant Mgr.
**Margarine, shortening, cooking/salad oil.**

**MAPLE LEAF MONARCH CO. ★**
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
5550 Maplewood Dr., P.O. Box 7128, Windsor,
Ont. N9C 3Z1, Ph. 519/966-2700;
TLX: 06-477887 (MLM ON).
**CONTACT:** Doug Miller
**Margarine, shortening, cooking/salad oil.**

## COLOMBIA

**COGRA LEVER S.A. ★**
Calle 13, No. 45-46, Apartado Aereo 4329,
Bogota, Ph. 57/2/687766;
TLX: 041445 (LEVE CO).
**CONTACT:** Jorge O. Trujillo, Commercial Mgr.
**Margarine, shortening, edible oil.**

**GRASAS VEGETALES S.A. (GRAVETAL) ★**
Cra. 28, No. 37-79 Sabaneta, P.O. Box 80617,
Medellin, Ph. 57/4/288-0711;
TLX: 66797 (GVTAL CO).
**CONTACT:** Sergio Eusse
**Margaring, shortening, cooking/salad oil.**

## COSTA RICA

**COMPANIA NUMAR S.A. ★**
Av. 12, C20-24, P.O. Box 3657, 1000 San Jose,
Ph. 239666; TLX: 2185 (NUMAR CR).
**CONTACT:** Saverio Altamura Carriero
**NUMAR margarine (125 grs. bars); CLOVER cooking/salad oil (1 liter, PVC containers); mayonnaise, salad dressing and sandwich spreads (4, 8, 16 and 32 oz. glass jars).**

## DENMARK

**DS INDUSTRIES ApS ★**
Islands Brygge, DK-2300 Copenhagen S,
Ph. 45/01/546600; TLX: 31313 (DASOY DK).
**CONTACT:** J.L. Larson
**IMPERIAL cooking/salad oil.**

## DOMINICAN REPUBLIC

**INDUSTRIAS LAVADOR C.A.**
MAIN OFFICE: Ave. San Martin 122,
P.O. Box 761, Santo Domingo, Ph. 809/565-7333;
TLX: ITT 3460200 (LAVADOR).
**CONTACT:** Mario J. Cabrera, Exec. VP
**AMAPOLA margarine.**

## ECUADOR

**FABRICA DE ACEITES**
**LA FAVORITA S.A.**
P.O. Box 486, Guayaquil,
Ph. 593/4/402840; TLX: 043174 (JARITA ED).
**CONTACT:** Xavier Vallarino, Pres.
**BONELLA margarine, PORKY shortening and LA FAVORITA cooking/salad oil.**

**INDUSTRIAS ALES C.A.**
MAIN OFFICE: Caracas 138 y Salinas,
P.O. Box A-4616, Quito, Ph. 593/2/230376,
TLX: 2198 (ALESCA ED).
**CONTACT:** Wolfgang W. Klein, Gen. Mgr.
**LA CORONA margarine, DOS CORONAS cooking/salad oil.**

**OLEICA S.A. ★**
Km. 6½ de la Via Guayaquil Daule, Casilla 3228,
Guayaquil, Ph. 351300; TLX: 3214 (OLJACE ED).
**Margarine and cooking/salad oil.**

## ENGLAND

**SAMUEL BANNER & CO. LTD. ★**
MAIN OFFICE: 59/61 Sandhills Lane, Liverpool,
Merseyside L5 9XL, Ph. 010/051/922-7871;
TLX: 627025 (BANNER G).
**CONTACT:** Colin J. Newman or Miss P. Kelly
**Cooking/salad oil.**

**BIBBY EDIBLE OILS LTD. ★**
**Affiliate of Bunge & Co. Ltd. , London**
Regent Rd., P.O. Box 26, Bootle,
Merseyside L20 1EH, Ph. 051/922-7272;
TLX: 629339 (EDOILS G).
**CONTACT:** G.C.C. Lindsay, Commercial Mgr.
**Shortening, cooking/salad oil.**

**S.D. MATTHEWS LTD. ★**
The Healey Complex, Healey Rd., Ossett,
West Yorkshire WF5 8NE, Ph. 0924/272534;
TLX: 55483 (MATGRP G).
**CONTACT:** Terry Waite, Sales Mgr.
**ST. LUKE'S, DERBYSHIRE PACKERS and PARK LANE margarine; PARK LANE shortening.**

**VAN DEN BERGHS & JURGENS LTD.**
**Affiliate of Unilever Ltd.**
MAIN OFFICE: Sussex House, Civic Way,
Burgess Hill, West Sussex RH15 9AW,
Ph. 4446/46300; TLX: 877381 (VDBJ BH G).
**CONTACT:** B.P. Backlog, Oils & Fats Mgr.
**Margarine, shortening, cooking/salad oil.**

## FEDERAL REPUBLIC OF GERMANY

**FRITZ HOMANN LEBENSMITTELWERKE**
**GmbH & CO. KG ★**
P.O. Box 1180, 4503 Dissen, Ph. 05421/311,
TLX: 94311.
**CONTACT:** Friedrich Gervelmeyer
**Margarine, shortening, cooking/salad oil and salad dressing.**

**NOBLEE & THORL GmbH ★**
Seehafenstrasse 24, P.O. Box 901040,
D-2100 Hamburg 90, Ph. 766930;
TLX: 217713 (NOBL D).
**CONTACT:** R. Bode, Sales Mgr.
**Shortening and cooking/salad oil.**

**OLWERKE NOURY & VAN DER LANDE GmbH ★**
Industriestrasse 10, P.O. Box 1520,
D-4240 Emmerich/Rhein, Ph. 02822/74341;
TLX: 8125203 (NVL D).
**CONTACT:** F. Kielman, Sales Mgr.
**Cooking/salad oil and salad dressing.**

**A. SAUMWEBER GmbH ★**
Emil-Geis-Str. 3-7, P.O. Box 701608,
8000 Munchen 70, Ph. 089/723-2026; TLX 523556 (ASAUM D).
**CONTACT:** Wilfried Saumweber or Alexander Szep
**Margarine (for breakfast, delicatessen, fancy-bakery, cooking), shortening (for cooking, grilling, frying, roasting), cooking/salad oil.**

**O. & L. SELS ★**
Duesseldorfer Str. 99-101, P.O. Box 101348,
D-4040 Neuss/Rhein, Ph. 02101/27990;
TLX: 8517835 (SELS D).
**CONTACT:** Josef Kerres
**Cooking/salad oil and salad dressing.**

**WESTDEUTSCHE NAHRUNGSMITTELWERKE GmbH**
Muschenerstrasse 8, P.O. Box 1150,
4518 Bad Laer 1, Ph. 05424/9078.
**EDEN margarine.**

### FRANCE

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**Shortening.**

### GUATEMALA

**OLMECA S.A. ★**
Km. 16½, Carretera a el Salvador,
Apartado Postal 1463, Guatemala City,
Ph. 502/030/1946; TLX: 6356 (OLMECA).
**CONTACT:** Jose Luna
**OLMECA margarine (normal), CREMY margarine (dietetic); OLMECA shortening; OLMECA cooking/salad oil.**

### HAITI

**ENTREPRISE NATIONALE DES OLEAGINEUX (ENAOL)**
P.O. Box 13460, Delmas, Port-au-Prince,
Ph. 2/0444, 4582 or 4589;
TLX: 2030550 (ENAOL).
**CONTACT:** Wilner Dessources, Gen. Mgr.
**Cooking/salad oil.**

### INDIA

**BOMBAY EXTRACTIONS LTD. ★**
Daya Mandir, 1st Floor, 123-25 Mumbaderi Rd.,
Bombay 400003, Ph. 328259 or 328196;
TLX: 01-75472 (BELL IN).
**CONTACT:** R.K. Mudholkar, Sales Mgr.
**SOYABEL cooking/salad oil.**

**THE MALWA VANASPATTI & CHEMICAL CO. LTD. ★**
Mohatta Nagar, Indore 452003, Ph. 23251;
TLX: 0735-228 (MVCC IN).
**CONTACT:** C.S. Radhakrishnan, Pres.
**Cooking/salad oil.**

**OSWAL AGRO MILLS LTD.**
MAIN OFFICE: 107-108 Padma Tower-I,
5 Rajindra Place, New Delhi 110008,
Ph. 01091/11/571-5150 or 571-5103;
TLX: 301-61553 (OAM IN).
**CONTACT:** K. L. Jain
**TARUN cooking/salad oil.**

**PREMIER EXTRACTIONS LTD.**
MAIN OFFICE: 107 Chetak Centre, 12/2 R.N.T. Marg, Indore 452001, M.P., Ph. 91/0731/5989 or 38705; TLX: 735306 (PREM IN).
**CONTACT:** G.L. Agrawal, Mgr. Dir.
**Cooking/salad oil.**

**TRI-STAR SOYA PRODUCTS LTD. ★**
1111-A, Raheja Chambers, 213 Nariman Point,
Bombay 400021, Ph. 2045715 or 2045576;
TLX: 11-4953 (MOPL IN).
**CONTACT:** Mahendra Mansingka, Mgr. Dir.
**TRI-SOYA cooking oil.**

**UNITED SOY PRODUCTS LTD. ★**
**Affiliate of United Group Venture, New Delhi**
E-1/177, Arera Colony, Bhopal 462014, M.P.,
Ph. 64735; TLX: 0705-215 (SICO IN).
**CONTACT:** R.K. Dublish
**TEACHER refined oil in 1 kg, 2 kg, 5 kg and 15 kg packs.**

### IRAN

**SHERKATE SAHAMI ROWGHAN NABATI JAHAN**
15 Malekoshoara Bahar Ave., Tehran,
Ph. 21/838036; TLX: 214079 (RNJ IR).
**CONTACT:** Hamid Ghazanfar, Mgr. Dir.
**JAHAN shortening, JAHAN cooking/salad oil.**

### ISRAEL

**BLUE-BAND LTD.**
**Subsidiary of Koor Foods Ltd.**
P.O. Box 707, Haifa.
**CONTACT:** Dov Hartal (04/670491)
**BLUE-BAND margarine and shortening.**

**ETZ HAZAYITH LTD. ★**
**Subsidiary of Koor Foods Ltd.**
Rehov Shenkar 1, P.O. Box 193,
Petah Tikva 49101, Ph. 03/922-7171;
TLX: 341859 (ETZHL IL).
**CONTACT:** U. Sharir, Gen. Mgr.
**Margarine.**

**MATA FOOD INDUSTRIES LTD.**
**Subsidiary of Koor Foods Ltd.**
P.O. Box 160, Hadera, Ph. 063/65275.
**CONTACT:** Dov Hartal (04/670491)
**Margarine and shortening.**

**TAVLIN LTD. ★**
Old Industrial Zone, P.O. Box 36,
Rishon Le-Zion, Ph. 03/948224 or 948225.
**CONTACT:** Itzhak Cohen, Plant Mgr.
**Cooking/salad oil.**

**TETH BETH LTD. ★**
3 Galed St., P.O. Box 147, Petah Tikva 49101,
Ph. 972/03/913191; TLX: 34192 (TB IL).
**CONTACT:** Ezra Berger, Mgr. Dir.
**Household, industrial and butter flavored margarine; shortening; cooking/salad oil.**

## ITALY

**ITALIANA OLII E RISI S.p.A. ★**
MAIN OFFICE: Via Romolo Gessi 20,
48100 Ravenna, Ph. 39/0544/31222;
TLX: 551264, 551271 or 550077 (IOR RA).
**TEODORA, LARA, FRIGGI and SAN MARCO cooking/salad oil.**

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)**
MAIN OFFICE: Via le Reiter, 130,
41100 Modena, Ph. 059/222571;
TLX: 510138 (SIO MO I).
**CONTACT:** Giancarlo Zelocchi, Mgr. Dir.
**Cooking/salad oil.**

**STAR STABILIMENTO ALIMENTARE S.p.A. ★**
Via Matteotti 142, 20041 Agrate Brianza,
Milan, Ph. 039/655-0451; TLX: 330133.
**CONTACT:** Uccelli Giacomo
**Margarine, shortening, and cooking/salad oil.**

## JAPAN

**FUJI OIL CO., LTD. ★**
MAIN OFFICE: Nihonseimei Midosuji
Hachimancho Bldg., 6-1 Hachimancho,
Minamiku, Osaka 542, Ph. 81/06/213-8158,
TLX: 522-2057 (FUJI OS J).
**CONTACT:** Yukio Miyazawa, Sr. Mgr. Dir.
**FUJI SUNNY margarine, shortening, cooking/salad oil.**

**HOHNEN OIL CO. LTD. ★**
MAIN OFFICE: Mitsui Life Insurance Bldg.,
2-3 Ohtemachi, 1-Chome, Chiyoda-ku, Tokyo 100,
Ph. 03/211-6511; TLX: 222-3084 (HONEN J).
**CONTACT:** Masaru Okahana, Asst. Mgr., Raw Materials Section.
**HOHNEN salad oil and HOHNEN tempura oil.**

**NIKKA FATS & OILS CO., LTD. ★**
1-8-1, Kitahama, Nakamatsu-ku, Kitakyushu 808,
Ph. 093/761-2635.
**CONTACT:** S. Shirakawa, Plant Mgr.
**NIKKA cooking oil; NIKKA salad oil.**

**NIKKO OIL MILLS CO. LTD.**
MAIN OFFICE: Kowa Hitotsubashi Bldg., 3-5-1,
Nishiki-cho, Chiyoda-ku, Tokyo 105,
Ph. 81/3/233-3951; TLX: 222-4940 (NIKOIL).
**CONTACT:** F. Nonaka, Mgr. Dir.
**NIKKO salad oil.**

**SHOWA SANGYO CO., LTD. ★**
MAIN OFFICE: 2-1, 2 Chome, Uchikanda,
Chiyoda-ku, Tokyo 101, Ph. 03/257-2020 or
222-6336.
**CONTACT:** Fumio Kobayashi, Mgr. Oil & Fat Dept.
**SHOWA salad oil.**

**SNOW BRAND MILK PRODUCTS CO., LTD.**
13 Hanshio-cho, Shinjuku, Tokyo 160,
Ph. 358-2111. Other plants at: Atugi and Osaka.
**CONTACT:** International Dept. (358-2081)
**SNOW BRAND margarine and shortening.**

**UEDA OILS & FATS MANUFACTURING CO. LTD. ★**
17, Uozakihama-machi, Higashinada-ku,
Kobe 658, Ph. 81/078/451-2361;
TLX: 5622-238 (WAYDER J).
**NICE margarine and shortening.**

## KOREA

**CHEIL SUGAR & CO. LTD. ★**
MAIN OFFICE: Dong Bang Main Bldg.,
17th Floor, 150, 2-KA, Taepyung-Ro, Chung-ku,
Seoul 100, Ph. 02/7518-514,
TLX: 29359 (CHESUCO K).
**CONTACT:** J.H. Kim, Gen. Mgr.
**WHITE SNOW cooking/salad oil.**

**DONG BANG CORPORATION ★**
MAIN OFFICE: 2, 4-Ka, Yangpyong-dong,
Yungdungpo-ku, C.P.O. Box 3031, Seoul 150,
Ph. 82/02/676-9121; TLX: 27334 (DB CORP).
**CONTACT:** Jang Hong Yoo, Dir.
**HAEPYO cooking/salad oil.**

**SAM LIP OIL & FATS CO., LTD. ★**
159-25 Usanri, Yang San Eub, Yang San-gun,
Kyung Sang Nam-do 60010, Ph. 82/051/44-9549
or 462-2177; TLX: 787-22153 (ANGELLA)
**CONTACT:** Kim Jin Yong, Director
**DIET-33 low calorie margarine; DUNKIN'S FRYING-SHORTENING.**

## KUWAIT

**KUWAIT FLOUR MILLS CO. SAK ★**
Jamal Abdulnasser St., P.O. Box 681,
Safat, Ph. 841866; TLX: 22209 (MATAHEN KT).
**CONTACT:** Marketing Mgr.
**DALAL vegetable ghee/shortening; DALAL cooking oil.**

## MALAYSIA

**SOON SOON OIL MILLS SDN. BHD. ★**
Plot 94, Lorong Perusahaan Dua,
Prai Industrial Estate, P.O. Box 300,
12720 Butterworth, 13600 Prai,
Ph. 04/307277; TLX: 40774 (SSOON MA)
**CONTACT:** Neoh Soon Bin
**Cooking/salad oil.**

## MEXICO

**ACEITE CASA S.A. DE C.V.**
Ave. Ceylon No. 793, Fracc. Industrial Vellejo,
02300 Mexico D.F., Ph. 5/567-9322;
TLX: 01771716 (CASA ME).
**CONTACT:** Enrico Cusi, Pres.
**CANARIO cooking/salad oil.**

**INDUSTRIAS CONASUPO S.A. DE C.V. (ICONSA) ★**
MAIN OFFICE: Valencia No. 36, Esquina Con
Cadiz, Colonia, Insurgentes Mixcoac, Mexico,
D.F. 03920, Ph. 91/1/563-3571 or 563-0413;
TLX: 177-7536 (ICON ME).
**CONTACT:** Nicolas Badin
**Cooking/salad oil.**

**INDUSTRIAS CONASUPO S.A. DE C.V. (ICONSA) ★**
Km. 33½ Carretera Mexico-Queretaro, Tultitlan
54900, Ph. 97/5/872-1677 or 565-4210;
TLX: 171307 (ICON ME). Main office: Mexico, D.F.
**CONTACT:** Gerencia de Ventas
**PREMIER shortening, 1 kilo and 25 kilos. LUCERO cooking/salad oil, ½ liter, 1 liter and 17 liters.**

**NEGOCIACION INDUSTRIAL SANTA LUCIA S.A. DE C.V. ★**
Av. Heroes de Nocupetaro No. 1022,
P.O. Box 77, Morelia, Michoacam 58130,
Ph. 451/20175; TLX: 69644 (NISL ME).
**CONTACT:** Ramon Flores
**SANTA LUCIA, DALIA and CAMPANA shortening.**

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V. ★**
Manuel Gonzalez No. 165, Col. Atlampa,
Mexico D.F. 06450, Ph. 90/5/583-4022;
TLX: 1772498 (POLA ME).
**CONTACT:** Diego Gutierrez, Production Mgr.
**Shortening and cooking/salad oil.**

## NETHERLANDS

**CARGILL B.V. ★**
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
Coenhavenweg 2, P.O. Box 8074,
1013 BL Amsterdam, Ph. 31/020/580-1911;
**CONTACT:** Bob Hamaker
**Cooking/salad oil.**

## PAKISTAN

**SPINZER INDUSTRIES LTD. ★**
Industrial Estate, Jamrud Rd., Peshawar
N.W.F.P., Ph. 0521/50690 or 50609.
**CONTACT:** G.M. Yousafzai, Mgr. Dir.
**SHANI, KHYBER PASS and KHAJUR hydrogenated soybean oil.**

## PANAMA

**COMPANIA PANAMENA DE ACEITES S.A. ★**
Via Domingo Diaz, P.O. Box 6-2396, El Dorado,
Panama City, Ph. 20-1006;
TLX: 3683553 (ACEITES).
**CONTACT:** Sales Dept.
**LA PERFECTA margarine; PASTELERO, PANADERO, NENA, CHANCHO, TOCINO and COLIBRI shortening; COCINERO cooking/salad oil.**

## PERU

**INDUSTRIAL PERU PACIFICO S.A.**
Jr. Miro Quesada 240, 4° Piso,
Apartado 2296, Lima, Ph. 283240;
TLX: 25051 (COTMO PE).
**CONTACT:** Alvaro del Solar Naranjo, Gen. Mgr.
**Margarine, shortening, cooking/salad oil.**

## SCOTLAND

**CARDOWAN CREAMERIES LTD. ★**
Holywell Street, Glasgow G31 4BT,
Ph. 041/554-1137.
**CONTACT:** J.A. Kyle
**KING COLE margarine (trade user packs of pastry and cake margarines); KING COLE shortening (trade user packs); FRYBEX cooking/salad oil.**

## SPAIN

**ACEITES Y PROTEINAS S.A. (ACEPROSA) ★**
Repelega S/N°, P.O. Box 6, 48920 Portugalete,
Vizcaya, Ph. 94/4965111; TLX: 32753 (ACEPR E).
**CONTACT:** Juan Leguina, Sales Mgr.
**Cooking/salad oil, in bulk.**

**SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) ★**
MAIN OFFICE: Plaza de Chamberi 8, 7th Floor,
28010 Madrid, Ph. 34/1/447-3013;
TLX: 27216 (SIMSA E).
**CONTACT:** Jesus Prieto
**OLESOYA bottled cooking oil.**

## SWEDEN

**MARGARINBOLAGET AB ★**
Strandbergsgatan 20, Box 30025,
S-10425 Stockholm, Ph. 46/8/541360,
TLX: 19571 (MARG S).
**CONTACT:** Ulf Larsson
**Margarine.**

## SWITZERLAND

**SAIS ★**
**Affiliate of Unilever N.V., Rotterdam**
MAIN OFFICE: Forrlibuckstrasse 10, CH-8031,
Zurich, Ph. 01/278-4211; TLX: 822752 (SAIS ZH)
**CONTACT:** Walter H. Hefti, Chrmn.
**Margarine, shortening, cooking/salad oil and salad dressing.**

### TAIWAN

**FONG-MAO INDUSTRIES CO. LTD. ★**
No. 42-13 Houpi Village, Houpi, Tainan 73101,
Ph. 886/6/687-1111.
**CONTACT:** K.Y. Lin, Gen. Mgr.
**Salad dressing.**

**FWU SOW GRAIN PRODUCTS CO., LTD.**
MAIN OFFICE: 45, Sha-Tyan Rd.,
Sha-Lu 43306, Taichung, Ph. 886/046/362111;
TLX: 22237 (FWUSOW).
**CONTACT:** Chia Yuh Trading Co. Ltd., 70,
Ningpo St., Taipei.
**LUCKY cooking/salad oil.**

**GREAT WALL ENTERPRISE CO., LTD. ★**
No. 3, Niao-Sung 2nd St., Niao-Sung Village,
Yung-Kung Hsiang, Tainan Hsien 71004,
Ph. 06/253-1111; TLX: 71351 (GREATAL).
**CONTACT:** John C.J. Ou, Mgr.
**Cooking/salad oil.**

**HSIAO-KANG BY-PRODUCTS FACTORY, TSC ★**
133, Hsiao-Kang Rd., Kao-Hsiung 812,
Ph. 821-4160.
**CONTACT:** T.W. Tang, Plant Mgr. or
C.W. Chen, Deputy Mgr.
**Cooking/salad oil.**

**PRESIDENT ENTERPRISES CORP. ★**
301, Chung-cheng Rd., Yan Harng, Yeong Kang
Shiang, Tainan Hsien 711, Ph. 06/253-2121;
TLX: 71348 (PRESIT).
**CONTACT:** Hua-Yang Lee
**Margarine, shortening and cooking/salad oil.**

**TAY SHAN ENTERPRISE CO. LTD. ★**
14th Floor, No. 178, Sec. 2, Nanking E. Rd.,
Taipei, Ph. 02/521-4152; TLX: 22863 (SUNRISE).
**CONTACT:** James T. Chan
**TAY SHAN salad oil.**

### THAILAND

**PATUM VEGETABLE OIL CO., LTD. ★**
MAIN OFFICE: 733/23 Charansanitwong Rd.,
Bangkok 10700, Ph. 424-1165 or 424-2168;
TLX: 82431 (PATUM TH).
**CONTACT:** Prakit Triyanond, Gen. Mgr.
**GAYSORN and KORNA cooking/salad oil.**

**THANAKORN VEGETABLE OIL PRODUCTS CO. LTD. ★**
99 Soi Thanakorn, Phra Pradaeng Rd.,
P.O. Box 13-5, Bangkok 10130,
Ph. 66/2/425-8930; TLX: 84031 (TANAOIL TH).
**CONTACT:** Vibul Sarakitpricha, Mgr. Dir.
**Cooking/salad oil; COOK and THANA mixed oils with rice bran and kapok seeds.**

### TURKEY

**MARSA MARGARIN SANAYI A.S. ★**
**Affiliate of Haci Omer Sabanci Holding A.S.**
Doseme Mahallesi No. 4, P.O. Box 137, Adana
01130, Ph. 90/711/15080; TLX: 62234 (MARG TR).
**CONTACT:** Aziz Koseoglu, Gen. Mgr.
**EVIN, BUKET and USTAM margarine; EVET, SABAH, AKYAG and AKBIS shortening; SAY cooking/salad oil.**

**PAKSOY TICARET ve SANAYI A.S. ★**
Karatas Yolu 184, P.O. Box 144, Adana,
Ph. 90/711/14666; TLX: 62739 (SADE TR).
**CONTACT:** Ibrahim Paksoy
**NEBA margarine, DOYA shortening, PAKSOY cooking/salad oil.**

**SUMERBANK SOYA SANAYII MUESSESESI**
P.K. 4, PTT Kod. No. 52001, Ordu,
Ph. 371/11363 or 11611; TLX: 74510.
**CONTACT:** Ibrahim Kilic, Dir.
**SUMERBANK cooking/salad oil.**

### VENEZUELA

**C.A. GRASAS DE VALENCIA**
MAIN OFFICE: Av. Henry Ford,
Zona Industrial Sur., P.O. Box 349, Valencia,
Carabobo 2002, Ph. 41/334110;
TLX: 45312 (DIANA VC).
**CONTACT:** Julio Martinez, Gen. Mgr.
**Margarine.**

### YUGOSLAVIA

**KMETIJSKO ZIVILSKI KOMBINAT**
**Tozd Tavarna olja (OLJARICA)**
**Affiliate of Mercator, Ljubljana**
Britof 27, 64000 Kranj, Ph. 064/22771;
TLX: 34698 (OLJE KR YU).
**CONTACT:** Novak Milan
**CEKIN cooking/salad oil.**

## BEVERAGES

### UNITED STATES

**AMERICAN SOY PRODUCTS, INC. ★**
1474 N. Woodland Dr., Saline, MI 48176,
Ph. 313/429-2310.
**CONTACT:** Timothy Redmond, VP
**EDENSOY soy beverages — original, vanilla and carob flavor.**

**APPROPRIATE FOODS, INC.**
137 New Hyde Park Rd., Franklin Square,
NY 11010, Ph. 516/352-7222.
**CONTACT:** Robert Werz, Pres.
**NO COW SOYMILK.**

**CLOFINE DAIRY PRODUCTS, INC.**
1407 New Rd., Box 335, Linwood, NJ 08221,
Ph. 609/653-1000; TLX: 132622 (CLOFINE DAIRY).
**CONTACT:** Ed Pedrick
**Soy beverages.**

**CREAM OF THE BEAN, INC.**
3973 Grove Ave., Gurnee, IL 60031-2118,
Ph. 312/623-4114.
**CONTACT:** Stuart Doblin, Pres.
**Soy beverages.**

**LOMA LINDA FOODS, INC. ★**
11503 Pierce St., Riverside, CA 92515,
Ph. 714/687-7800.
**CONTACT:** Willis Durfur, VP Mktg.
**Infant formula and soy milk.**

**MIGHTY SOY, INC. ★**
1227 S. Eastern Ave., Los Angeles, CA 90022,
Ph. 213/266-6969.
**CONTACT:** Maung Myint, Pres.
**Soy beverages.**

**MILLER FARMS FOOD COMPANY ★**
314 Main St., Cedar Falls, IA 50613,
Ph. 319/277-4700; TLX: 465653 (SOY PRO).
**CONTACT:** R.W. Fischer
**Soy milk: liquid and dried product.**

**QUONG HOP & COMPANY ★**
161 Beacon St., South San Francisco,
CA 94080, Ph. 415/761-2022.
**CONTACT:** Ben Lee
**Soy beverages.**

**ROSE INTERNATIONAL ★**
P.O. Box 2687, Petaluma, CA 94953,
Ph. 707/778-7721; TLX: WU 990027 (ROSE INTERNATIONAL).
**CONTACT:** Richard Rose
**Soymilk drinks.**

**TOKYO FOOD PROCESSING CORP.**
**Affiliate of JFC International**
40 Varick Ave., Brooklyn, NY 11237,
Ph. 718/456-8884; TWX: 710-584-5455 (JFC NYK).
**CONTACT:** Keiji Shirata, VP
**WEL PAC soy beverage.**

**WESTBRAE NATURAL FOODS ★**
4240 Hollis St., P.O. Box 8711,
Emeryville, CA 94662, Ph. 415/658-7521;
TLX: Gnet 3719238 (WESTBRAE SF).
**CONTACT:** Gretchen Gold, Sales Mgr.
**Soy milk.**

**WORTHINGTON FOODS, INC.**
900 Proprietors Rd., Worthington, OH 43085,
Ph. 614/885-9511.
**CONTACT:** Don Michalenko, Natl. Sales Mgr.
**SOYAMEL beverage.**

**WY KY FOOD PRODUCTS, INC.**
237 San Fernando Rd., Los Angeles, CA 90031,
Ph. 213/222-0779.
**CONTACT:** Ming Man Yook, Pres.
**WY KY soy beverage.**

## ARGENTINA

**SPRAYLAC S.R.L. ★**
Av. Aristobulo del Valle 7090,
3000 Santa Fe, Ph. 54/42/60126;
TLX: 48204 (MASA AR).
**CONTACT:** Ruben D. Roa, Export Dept.
**SPRAYLAC powdered soy milk.**

## BELGIUM

**ALPRO N.V. ★**
Zuidkaai 33, 8700 Izegem, Ph. 051/309601;
TLX: 81218 (ALPRO B).
**CONTACT:** Philippe Vandermoortele, Gen. Mgr.
**ALPRO, SUNSOY and PROVAMEL soy beverages; Tetra Brik 250cc, 500cc, 1000cc.**

**JONATHAN B.V.P.A.**
Antwerpsesteenweg 336, Kapellen,
2080 Antwerp, Ph. 32/03/664-5848;
TLX: 72156 (MATRAI).
**CONTACT:** J. van de Ponseele, Mgr.
**SOJADRANK beverage concentrate.**

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### BRAZIL

**ENERGE S.A. ★**
**Affiliate of Nutrimental S.A.**
BR 280, Km. 58, Guaramirim, Santa Catarina,
89258, Ph. 55/0473/730355; TLX: 474497.
**CONTACT:** Luis Augusto de Mello
**Soy beverages.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
MAIN OFFICE: Praca Osvaldo Cruz, 15-16°,
P.O. Box 2016, Porto Alegre, RS, 90030,
Ph. 0512/21-2200; TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.
**NOVOMILKE soy beverage.**

### CANADA

**DAYSPRING SOYACRAFT CORPORATION**
626 Esquimalt Rd., No. 5, P.O. Box 7285,
Station D, Victoria, B.C. V9A 3L4,
Ph. 604/382-2144.
**CONTACT:** Paul J. Hsieh
**SOYCOW soy beverage.**

**VICTOR FOOD PRODUCTS LTD.**
102 Hymus Rd., Scarborough, Ontario M1L 2C9,
Ph. 416/752-0161.
**CONTACT:** Stephen Yu, Pres.
**Soy beverages.**

### COSTA RICA

**PRODUCTORA COSTARRICENSE DE ALIMENTOS ★**
Apartado 8-5780, 1000 San Jose,
Ph. 542770 or 542398.
**CONTACT:** Eugenio Valenciano, Plant Mgr.
**Soy beverages.**

### ENGLAND

**HALDANE FOODS LTD. ★**
Hayhill Industrial Estate, Unit 25, Sileby Rd.,
Barrow Upon Soar, Leicestershire LE12 8LD,
Ph. 050/981-6611; TLX: 342709 (HERAVN G).
**CONTACT:** Brian Wellsby
**SOJAL soya milk.**

### FRANCE

**SOJADOC ★**
**Affiliate of Cooperative Occitane**
Zone Industrielle La Viscosa, 81000 Albi,
Ph. 33/63/454645; TLX: 531051 (COOCITA).
**CONTACT:** Jacques Isnard
**TONYU soy milk.**

### GREECE

**BIOTROPHES LTD. ★**
45 Alopekis St., Athens 10676,
Ph. 0030/1/724-9525; TLX: 218671 (PHAL GR).
**CONTACT:** John Lewis
**Chocolate dairy drink, soya milk.**

### HONG KONG

**ASSOCIATED DAIRIES INTERNATIONAL LTD. ★**
**Affiliate of The Dairy Farm Co., Ltd., Hong Kong**
223 Wai Yip St., Kwun Tong, Kowloon,
Ph. 3-890235; TLX: 51101 (DFARM HX).
**CONTACT:** L.G. Nelson (5/837-6483)
**Soy milk.**

**THE HONG KONG SOYA BEAN PRODUCTS CO., LTD. ★**
1 Kim Wong St., Tuen Mun, New Territories,
Ph. 0/860333; TLX: 52252 (VITTA HX).
U.S. distributor: Vitasoy Inc., San Francisco, CA.
**CONTACT:** Winston Lo
**VITASOY soy beverage.**

### INDIA

**PREMIER EXTRACTIONS LTD.**
MAIN OFFICE: 107 Chetak Centre, 12/2 R.N.T.
Marg, Indore 452001, M.P., Ph. 91/0731/5989
or 38705; TLX: 735306 (PREM IN).
**CONTACT:** G.L. Agrawal, Mgr. Dir.
**Soy beverages.**

**SOY FOOD CENTRE**
**A Unit of Networks Pvt. Ltd.**
113/121 Swaroop Nagar, Kanpur 208022, U.P.,
Ph. 244311.
**CONTACT:** N. T. Agarwal
**BOON soy beverages.**

### INDONESIA

**PT SALIM GRAHA FOOD & BEVERAGE INDUSTRY**
**Affiliate of Yeo Hiap Seng, Singapore**
Jalan Raya Bekasi, Jawa Barat, Ph. 633227 or
664152; TLX: 42754 (SALIM JKT).
**CONTACT:** Iman Salim
**YEO's soy beverage.**

### JAPAN

**KIBUN FOOD CHEMIFA CO., LTD. ★**
3-2-5 Shinbashi, Minato-Ku, Tokyo 105,
Ph. 03/591-4381; TLX: 2223183 (KIBUNF J).
**CONTACT:** K. Nakanishi or S. Hoashi
**KIBUN soy milk.**

**MARUSAN-AI CO., LTD. ★**
1 Arashita Niki-Cho, P.O. Box 444-21, Okazaki,
Aichi, Ph. 0564/45-3111 or 45-6607.
**MARUSAN TONYU (soy milk).**

**MITSUBISHI CHEMICAL INDUSTRIES, LTD. ★**
**Food Division**
5-2, Marunouchi 2-Chome, Chiyoda-ku,
Tokyo 100, Ph. 03/283-6698; TLX: 24901
(BISICH J). Plant at Kurashiki-shi.
**CONTACT:** Yasumasa Mizumo, Mgr. Food Div.
or Mitsubishi-Kasei Food Corp. (03/542-6586)
**MAPRON soy milk.**

### KOREA

**DR. CHUNG'S FOODS COMPANY, LTD.**
MAIN OFFICE: Kinam Bldg., 10th Floor,
San 75-31, Yeoksam-dong, Kangnam-ku,
Seoul 135, Ph. 82/02/553-0821;
TLX: 0801-29560 (VEGEMIL).
**CONTACT:** C. Hwang
**VEGEMIL A, VEGEMIL B, VEGEMIL C, APPLE WOOREAN and CHOCO WOOREAN soy beverages.**

### MALAYSIA

**YEO HIAP SENG (Malaysia) BHD ★**
**Affiliate of Yeo Hiap Seng, Singapore**
No. 7 Jalan Tandang, Petaling Jaya, Selangor,
Ph. 03/573733; TLX: 37544 (YHS MA).
**CONTACT:** Joseph Yeo (65/466-2266)
**YEO's soy beverage.**

### MEXICO

**INDUSTRIAL DE ALIMENTOS S.A. ★**
Poniente 146, No. 789, 02300 Mexico D.F.,
Ph. 905/567-4022.
**CONTACT:** Antonio Mouret, Sales Mgr.
**Soy beverages.**

### NETHERLANDS

**MANNA NATUURVOEDING B.V. ★**
Weerenweg 28, 1161AJ Zwanenburg,
Ph. 31/2907/2250; TLX: 10810 (MANNA NL).
**CONTACT:** Bernard Faber
**MANNA soy milk.**

### SINGAPORE

**FRASER & NEAVE (Singapore) PTE. LTD. ★**
475 River Valley Rd., Singapore 1024,
Ph. 65/4730222, TLX: 21687 (REDLION)
**CONTACT:** K.S. Kwok, R&D Mgr.
**Soy milk.**

**YEO HIAP SENG LTD. ★**
MAIN OFFICE: 950 Dunearn Rd., Singapore
2158, Ph. 65/466-2266; TLX: 22143 (YHSL RS).
**CONTACT:** Joseph Yeo
**YEO's soy beverage.**

### SWITZERLAND

**GALACTINA LTD. ★**
Birkenwej 1-6, CH3123 Belp,
Ph. 0041/031/811111, TLX: 911658 (GABI CH)
**CONTACT:** Peter Speck
**NAGA SONDA, VITA DRINK and BIODELIS soy beverages.**

### TAIWAN

**PRESIDENT ENTERPRISES CORP. ★**
301, Chung-cheng Rd., Yan Harng, Yeong Kang
Shiang, Tainan Hsieng 711, Ph. 06/253-2121;
TLX: 71348 (PRESIT)
**CONTACT:** Hua-Yang Lee
**Soy beverages.**

### THAILAND

**GREEN SPOT (Thailand) LTD.**
79 Mu 4 Pattanakarn Extension Rd.,
Bangkok 10240, Ph. 377-5088.
**CONTACT:** C.C. Cheung, Gen. Mgr.
**VITAMILK soy beverage.**

**NESTLE (Thailand) LTD.**
149 Teparuk Rd., P.O. Box 11-160, Bangkok,
Ph. 3940-946, 3940-947, 3942-720 or 3942-721;
TLX: 87384 (NESTHAI TH).
**CONTACT:** J. L. Wood
**BONUS soy beverage.**

## FROZEN DESSERTS

### UNITED STATES

**BARRICINI FOODS ★**
123 South St., Oyster Bay, NY 11771,
Ph. 516/922-6212.
**CONTACT:** Robert Tepper, VP Sales & Mktg.
**TOFULITE and ICE BEAN frozen desserts.**

**CLOFINE DAIRY PRODUCTS, INC.**
1407 New Rd., Box 335, Linwood, NJ 08221,
Ph. 609/653-1000; TLX: 132622 (CLOFINE
DAIRY).
**CONTACT:** Ed Pedrick
**Frozen desserts.**

**CREAM OF THE BEAN, INC.**
3973 Grove Ave., Gurnee, IL 60031-2118,
Ph. 312/623-4114.
**CONTACT:** Stuart Doblin, Pres.
**Frozen desserts.**

**DURKEE INDUSTRIAL FOODS CORP. ★**
925 Euclid Ave., Cleveland, OH 44115,
Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
**CONTACT:** C. E. Land, Jr. (216/344-8312)
**Frozen desserts.**

**MILLER FARMS FOOD COMPANY ★**
314 Main St., Cedar Falls, IA 50613,
Ph. 319/277-4700; TLX: 465653 (SOY PRO).
**CONTACT:** R.W. Fischer
**Frozen desserts.**

**ROSE INTERNATIONAL ★**
P.O. Box 2687, Petaluma, CA 94953,
Ph. 707/778-7721; TLX: WU 990027 (ROSE
INTERNATIONAL).
**CONTACT:** Richard Rose
**Tofu and soymilk based; hard frozen and soft-serve frozen desserts.**

**WHITE WAVE INC.**
1990 N. 57th Court, Boulder, CO 80301,
Ph. 303/443-3470.
**CONTACT:** Steven Demos, Pres.
**POLAR BEAN and TOFRUZEN frozen desserts.**

### CANADA

**VICTOR FOOD PRODUCTS LTD.**
102 Hymus Rd., Scarborough, Ontario M1L 2C9,
Ph. 416/752-0161.
CONTACT: Stephen Yu, Pres
Frozen desserts.

### ENGLAND

**HALDANE FOODS LTD. ★**
Hayhill Industrial Estate, Unit 25, Sileby Rd.,
Barrow upon Soar, Leicestershire LE12 8LD,
Ph. 050/33/981-6611; TLX: 342709 (HERAVN G).
CONTACT: Brian Wellsby
SOJAL frozen desserts.

### FRANCE

**MAHO DISTRIBUTION ★**
**Affiliate of AIXAGRI**
4 Place Jeanne d'Arc, 13100 Aix en Provence,
Ph. 33/42/264444; TLX: 42051 (AIXAGRI).
CONTACT: Pierre Maitre, Gen. Mgr.
TOFU 'KISS.

### GREECE

**BIOTROPHES LTD. ★**
45 Alopekis St., Athens 10676,
Ph. 0030/1/724-9525; TLX: 218671 (PHAL GR).
CONTACT: John Lewis
Soy based ice cream.

### HONG KONG

**ASSOCIATED DAIRIES INTERNATIONAL LTD.***
**Affiliate of The Dairy Farm Co., Ltd., Hong Kong**
223 Wai Yip St., Kwun Tong, Kowloon,
Ph. 3-890235; TLX: 51101 (DFARM HX).
CONTACT: L.G. Nelson, (5/837-6483)
DAIRY FARM frozen desserts.

### INDIA

**SOY FOOD CENTRE**
**A Unit of Networks Pvt. Ltd.**
113-121 Swaroop Nagar, Kanpur 208022, U.P.,
Ph. 24431.
CONTACT: T. N. Agarwal
BOON frozen desserts.

### JAPAN

**KIBUN FOOD CHEMIFA CO., LTD. ★**
3-2-5 Shinbashi, Minato-Ku, Tokyo 105,
Ph. 03/591-4381; TLX: 2223183 (KIBUN J).
CONTACT: K. Nakanishi or S. Hoashi
Frozen desserts.

**MARUSAN-AI CO., LTD. ★**
1 Arashita Niki-Cho, P.O. Box 444-21, Okazaki,
Aichi, Ph. 0564/45-3111 or 45-6607
Ice cream made from soy milk.

### SINGAPORE

**FRASER & NEAVE (Singapore) PTE. LTD. ★**
475 River Valley Rd., Singapore 1024,
Ph. 65/4730222; TLX: 21687 (REDLION)
CONTACT: K. S. Kwok, R&D Mgr.
Frozen desserts.

## SOY SAUCE

### UNITED STATES

**APPROPRIATE FOODS, INC.**
137 New Hyde Park Rd., Franklin Square,
NY 11010, Ph. 516/352-7222.
CONTACT: Robert Werz, Pres.
THE SOY SOURCE soy sauce.

**HERCULES INC.**
**PFW Division**
33 Sprague Ave., Middletown, NY 10940,
Ph. 914/343-1900; TLX: 283303 (PFW MDT UR). Other location: Harbor Beach, MI.
CONTACT: Daniel G. Murray, Prod. Mgr.
Soy sauce.

**KIKKOMAN FOODS, INC. ★**
Hwy. 14 & Six Corners Rd., P.O. Box 69,
Walworth, WI 53184, Ph. 414/275-6181;
TWX: 910-278-2462 (KIKKOMAN WALW).
Sales offices: Los Angeles and San Francisco, CA; Atlanta, GA; Chicago, IL, New York, NY.
CONTACT: William Nelson, Asst. VP; Industrial Foodservice: K. Takei (415/956-7750); Retail: H. Hasegawa (415/956-7750).
KIKKOMAN soy sauce.

**MANDARIN SOY SAUCE, INC. ★**
419 North St., Middletown, NY 10940,
Ph. 914/343-1505; TLX: 4992821 (MESRI).
CONTACT: Michael Wu
Soy sauce and teriyaki sauce.

**TOMSUN FOODS INTERNATIONAL ★**
305 Wells St., Greenfield, MA 01301,
Ph. 413/774-6501.
CONTACT: Thomas Timmons
TOMSUN ginger soy sauce.

**VIETNAM FOOD & DRINK CO., INC. ★**
3824 Ironwood Place, Landover, MD 20785,
Ph. 301/322-7948.
CONTACT: Vanchi Hoang or Mrs. Phan Hoang
TUONG CUDA and BODHI soy sauce (Vietnamese style).

**WESTBRAE NATURAL FOODS ★**
4240 Hollis St., P.O. Box 8711,
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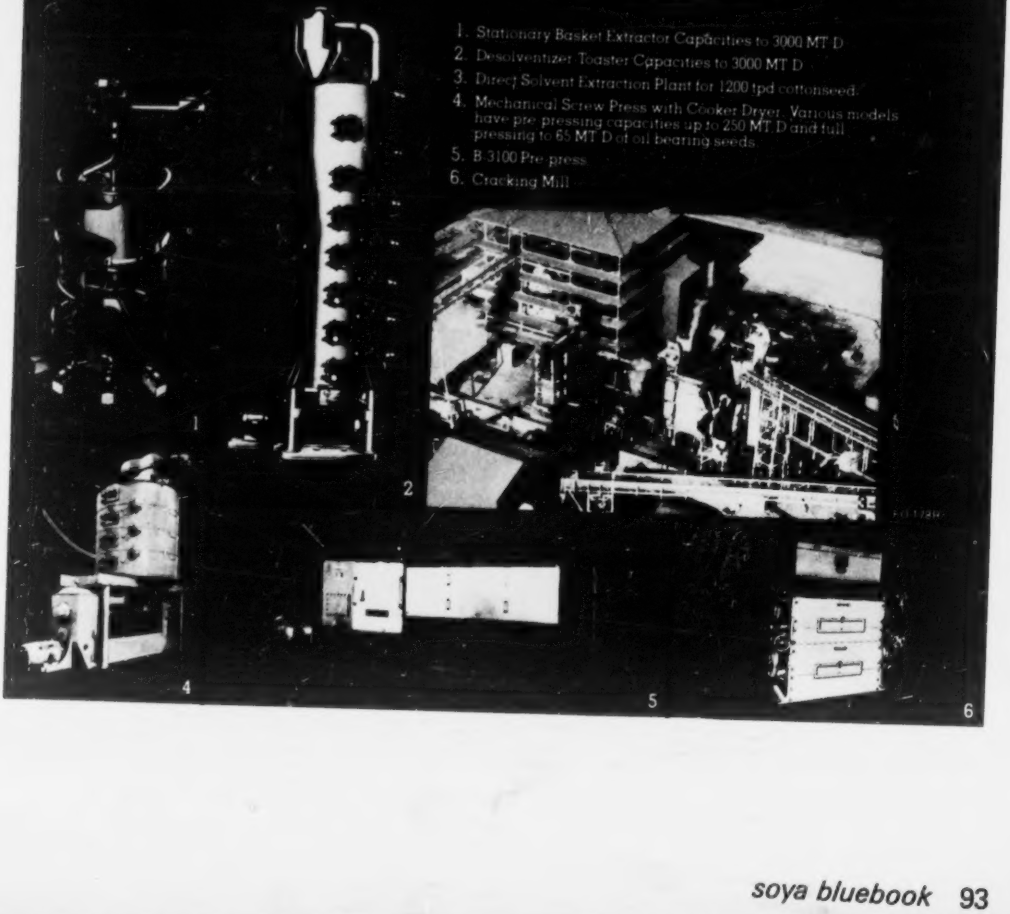

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**FULL OF BEANS soy sauce.**

### INDONESIA

**PT INKENAS AGUNG**
Pulo Kambing II, 20 Kawasan Industrial Estate
Pulogadung, Jakarta-Timur, Ph. 021/489-7037.
**CONTACT:** I. Wibisono, Dir.
**KECAP MAYA soy sauce.**

### ISRAEL

**MATA FOOD INDUSTRIES LTD.**
**Subsidiary of Koor Foods Ltd.**
P.O. Box 160, Hadera, Ph. 063/65275.
**CONTACT:** Dov Hartal (04/670491)
**Soy sauce.**

### JAPAN

**HIGASHIMARU SHOYU CO., LTD. ★**
100-3 Tominaga, Tatsuno City 679-41,
Ph. 07916/3/4567.
**CONTACT:** Shinzo Kinugasa, Deputy Dir.-Bus. Dept.
**HIGASHIMARU soy sauce.**

**HIGETA SHOYU CO., LTD. ★**
2-3, Koamicho, Nihonbashi, Chuo-ku,
Tokyo 103, Ph. 03/669-1441.
**CONTACT:** Keigi Yamashita, Dir. Mkt. Dev.
**HIGETA soy sauce.**

**KIKKOMAN CORPORATION ★**
1-25, Nishikicho, Kanda, Chiyoda-ku,
Tokyo 102, Ph. 03/233-5511.
**CONTACT:** Harehisa Yamano, Dir. Public Rel.
**KIKKOMAN soy sauce.**

**MARUKIN SHOYU CO., LTD. ★**
1-2-5 Shinkawa, Chuo-ku, Tokyo 104,
Ph. 03/551-9101.
**CONTACT:** Hiroshi Nakamura, Dir. Bus. Dev.
**MARUKIN soy sauce.**

**MARUSAN-AI CO., LTD. ★**
1 Arashita Niki-Cho, P.O. Box 444-21, Okazaki,
Aichi, Ph. 0564/45-3111 or 45-6607.
**TAMARI soy sauce.**

**YAMASA SHOYU CO., LTD. ★**
1-23-8, Kakigaracho, Nihonbashi, Chuo-ku,
Tokyo 103, Ph. 03/668-3171.
**CONTACT:** Junpei Taguchi, Mgr. Dir.

### MALAYSIA

**YEO HIAP SENG (Malaysia) BHD ★**
**Affiliate of Yeo Hiap Seng, Singapore**
No. 7 Jalan Tandang, Petaling Jaya, Selangor,
Ph. 03/573733; TLX: 37544 (YHS MA).
**CONTACT:** Joseph Yeo (65/466-2266)
**YEO's soy sauce.**

### NETHERLANDS

**FA. L.I. FRANK**
Oude Rijksstraatweg 32-40, P.O. Box 46,
7390AA Twello, Ph. 031/05712/2141 or 2131;
TLX: 49350 (FRANK NL).
**CONTACT:** C.V.M. Miedendorp de Bie
**Soy sauce.**

### SCOTLAND

**BEAN PRODUCTS LTD. ★**
**Affiliate of The Nestle Company Ltd.**
42 Telford Rd., East Lenziemill, Cumbernauld,
Dunbartonshire G67 2AX, Ph. 0236/738310.
**CONTACT:** P. Basham (01/686-3333)
**SARSONS soy sauce.**

### SINGAPORE

**YEO HIAP SENG LTD. ★**
MAIN OFFICE: 950 Dunearn Rd., Singapore
2158, Ph. 65/466-2266; TLX: 22143 (YHSL RS).
**CONTACT:** Joseph Yeo
**YEO's soy sauce.**

### TAIWAN

**PRESIDENT ENTERPRISES CORP. ★**
301, Chung-cheng Rd., Yan Harng, Yeong Kang
Shiang, Tainan Hsien 711, Ph. 06/253-2121;
TLX: 71348 (PRESIT).
**CONTACT:** Hua-Yang Lee
**Soy sauce.**

**WAN JIA SHIAN BREWERY CO. LTD.**
80-1, Hope St., Sun Chung City, Taipei,
Ph. 02/99[illegible]-6622; TLX: 25852 (JOYTW).
Other office: Middletown, NY.
**CONTACT:** Jen-Chun Wu
**WAN JA SHAN soy sauce.**

## TEMPEH

### UNITED STATES

**APPROPRIATE FOODS, INC.**
137 New Hyde Park Rd., Franklin Square,
NY 11010, Ph. 516/352-7222.
**CONTACT:** Robert Werz, Pres.
**APPROPRIATE FOODS tempeh.**

**NASOYA FOODS, INC. ★**
23 Jytek Dr., P.O. Box 841,
Leominster, MA 01453, Ph. 617/537-0713.
**CONTACT:** Ms. Pam Earle
**Tempeh.**

**QUONG HOP & COMPANY ★**
161 Beacon St., South San Francisco, CA
94080, Ph. 415/761-2022.
**CONTACT:** Ben Lee
**QUONG HOP, SOY DELI and PACIFIC tempeh.**

**SOYFOODS UNLIMITED**
14666 Doolittle Dr., San Leandro, CA 94577,
Ph. 415/352-1320.
**CONTACT:** Lon Stromnes
**SOYFOODS UNLIMITED tempeh.**

**WHITE WAVE INC.**
1990 N. 57th Court, Boulder, CO 80301,
Ph. 303/443-3470.
**CONTACT:** Steven Demos, Pres.
**WHITE WAVE tempeh.**

### BELGIUM

**DE HOBBIT★**
Waterstraat 4, 9980 St. Laureins,
Ph. 32/91/799622.
**CONTACT:** Eric Dewilde, Gen. Mgr.
**DE HOBBIT tempeh and tempeh salads.**

### ENGLAND

**FULL OF BEANS SOYFOODS★**
Castle Precincts, Castle Ditch Lane, Lewes,
East Sussex BN7 1XH, Ph. 44/0273/472627.
**CONTACT:** Sara Gosling or John Gosling
**FULL OF BEANS organic tempeh.**

### JAPAN

**MARUSAN-AI CO., LTD.★**
1 Arashita Niki-Cho, P.O. Box 444-21, Okazaki,
Aichi, Ph. 0564/45-3111 or 45-6607.
**SUKOYAKA tempeh.**

**TORIGOE FLOUR MILLING CO., LTD.★**
6-5-2, Hakozakifuto, Higashi-ku, Fukuoka 812,
Ph. 81/092/651-3121.
**CONTACT:** Kasuhiro Takamine
**TORIGOE GOLD tempeh.**

## TOFU

### UNITED STATES

**APPROPRIATE FOODS, INC.**
137 New Hyde Park Rd., Franklin Square,
NY 11010, Ph. 516/352-7222.
**CONTACT:** Robert Werz, Pres.
**N.Y. SOYDELI tofu.**

**CLOFINE DAIRY PRODUCTS, INC.**
1407 New Rd., Box 335, Linwood, NJ 08221,
Ph. 609/653-1000; TLX: 132622 (CLOFINE
DAIRY).
**CONTACT:** Ed Pedrick
**Tofu.**

**LEGUME, INC.★**
170 Change Bridge Rd.,
Montville, NJ 07045, Ph. 201/882-9190.
**CONTACT:** Gary Barat
**LEGUME tofu frozen entrees.**

**MIGHTY SOY, INC.★**
1227 S. Eastern Ave., Los Angeles, CA 90022,
Ph. 213/266-6969.
**CONTACT:** Maung Myint, Pres.
**Tofu.**

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**CONTACT:** Ms. Pam Earle
**Tofu in cakes, as a slurry and in spray dried form. Spiced tofu, sweet-n-sour tofu and teriyaki tofu.**

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**CONTACT:** Ben Lee
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**ROSE INTERNATIONAL★**
P.O. Box 2687, Petaluma, CA 94953,
Ph. 707/778-7721; TLX: WU 990027 (ROSE
INTERNATIONAL).
**CONTACT:** Richard Rose
**Tofu.**

**SOLNUTS, INC.★**
711 7th St., P.O. Box 450, Hudson, IA 50643,
Ph. 319/988-3221; TWX: 510-600-6103 (SOLNUTS
USA). Other offices: Solnuts B.V., Tilburg,
NETHERLANDS; Witte Wonder B.V., Poeldijk,
NETHERLANDS.
**CONTACT:** James Becker
**Tofu spreads, salad dressings, preserves and tofunaise.**

**TOKYO FOOD PROCESSING CORP.**
**Affiliate of JFC International**
40 Varick Ave., Brooklyn, NY 11237,
Ph. 718/456-8884; TWX: 710-584-5455 (JFC
NYK).
**CONTACT:** Keiji Shirata, VP
**WEL PAC tofu.**

**TOMSUM FOODS INTERNATIONAL★**
305 Wells St., Greenfield, MA 01301,
Ph. 413/774-6501.
**CONTACT:** Thomas Timmins
**TOMSUN tofu and JOFU (tofu with fruit).**

**WHITE WAVE INC.**
1990 N. 57th Court, Boulder, CO 80301,
Ph. 303/443-3470.
**CONTACT:** Steven Demos, Pres.
**WHITE WAVE tofu.**

**WORTHINGTON FOODS, INC.**
900 Proprietors Rd., Worthington, OH 43085,
Ph. 614/885-9511.
**CONTACT:** Don Michalenko, Natl. Sales Mgr.
**NATURAL TOUCH tofu.**

**WY KY FOOD PRODUCTS INC.**
237 San Fernando Rd., Los Angeles, CA 90031,
Ph. 213/222-0779.
**CONTACT:** Ming Man Yook, Pres.
**WY KY tofu.**

### BELGIUM

**JONATHAN B.V.P.A.**
Antwerpsesteenweg 336, Kapellen,
2080 Antwerp, Ph. 32/03/664-5848;
TLX: 72156 (MATRAI).
**CONTACT:** J. van de Ponseele, Mgr.
Tofu.

### CANADA

**DAYSPRING SOYACRAFT CORPORATION**
626 Esquimalt Rd., No. 5, P.O. Box 7285,
Station D, Victoria, B.C. V9A 3L4.
**CONTACT:** Paul J. Hsieh
**DAYSPRING tofu.**

**VICTOR FOOD PRODUCTS LTD.**
102 Hymus Rd., Scarborough, Ontario M1L 2C9,
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**CONTACT:** Stephen Yu, Pres.
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### ENGLAND

**FULL OF BEANS SOYFOODS ★**
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**CONTACT:** Sara Gosling or John Gosling
**FULL OF BEANS tofu (firm, regular, smoked, fermented).**

**HALDANE FOODS LTD. ★**
Hayhill Industrial Estate, Unit 25, Sileby Rd.,
Barrow upon Soar, Leicestershire LE12 8LD,
Ph. 050/981-6611; TLX: 342709 (HERAVN G).
**CONTACT:** Brian Wellsby
**TOFEATA tofu and tofu burgers.**

### FRANCE

**SOJADOC ★**
**Affiliate of Cooperative Occitane**
Zone Industrielle La Viscose, 81000 Albi,
Ph. 33/63/454645; TLX: 531051 (COOCITA).
**CONTACT:** Jacques Isnard
**Soft, medium or firm tofu (vacuum packed, 200g, 400g or 3,500g).**

**SOY**
Plateau de l'Andemay, 91590 Cerny,
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**CONTACT:** Jean de Preneuf or Bernard Storup.
**CROQUE tofu.**

### GREECE

**BIOTROPHES LTD. ★**
45 Alopekis St., Athens 10676,
Ph. 0030/1/724-9525; TLX: 218671 (PHAL GR).
**CONTACT:** John Lewis
**Tofu mix.**

### HONG KONG

**ASSOCIATED DAIRIES INTERNATIONAL LTD. ★**
**Affiliate of The Dairy Farm Co., Ltd., Hong Kong**
223 Wai Yip St., Kwun Tong, Kowloon,
Ph. 3-890235; TLX: 51101 (DFARM HX).
**CONTACT:** L.G. Nelson (5/837-6483)
**Tofu.**

### INDIA

**SOY FOOD CENTRE**
**A Unit of Networks Pvt. Ltd.**
113/121 Swaroop Nagar, Kanpur 208022, U.P.,
Ph. 24431.
**CONTACT:** T. N. Agarwal
**BOON tofu.**

### JAPAN

**FUJI OIL CO., LTD. ★**
MAIN OFFICE: Nihonseimei Midosuji
Hachimancho Bldg., 6-1 Hachimancho
Minamiku, Osaka 542, Ph. 81/06/213-8151;
TLX: 522-2057 (FUJI OS J).
**CONTACT:** Yukio Miyazawa, Sr. Mgr. Dir.
**USUAGE (fried, frozen, sliced tofu).**

**MARUSAN-AI CO., LTD. ★**
1 Arashita Niki-Cho, P.O. Box 444-21, Okazaki,
Aichi, Ph. 0564/45-3111 or 45-6607.
**MARUSAN tofu.**

### NETHERLANDS

**CONSUMA B.V.**
Christiaan Huygensstraat 10, P.O. Box 175,
2665ZH Bleiswijk, Ph. 01892/12455;
TLX: 21589 (EIWIT NL).
**CONTACT:** H.P.M. Rigter, Dir
**Tofu.**

**HEUSCHEN-SCHROUFF B.V. ★**
Reeweg 137, 6381 BW Ubach over Worms,
Ph. 31/045/311998; TLX: 56377.
**CONTACT:** G.H.G. Schrouff
**WINDMILL tofu, smoked tofu, tofu burgers, satem tofu. Packed in foil; 250g and 400g.**

**MANNA NATUURVOEDING B.V. ★**
Weerenweg 28, 1161AJ Zwanenburg,
Ph. 31/2907/2250; TLX: 10810 (MANNA NL).
**CONTACT:** Bernard Faber
**MANNA tofu, herb tofu and smoked tofu.**

**SOLNUTS B.V. ★**
Swaardvenstraat 41, P.O. Box 5066,
5004EB Tilburg, Ph. 031/684991; TLX: 52654
(SOLNU NL). Other offices: Solnuts, Inc.,
USA; Witte Wonder B.V., Poeldijk,
NETHERLANDS.
**CONTACT:** W. Bakker (01749/45999)
**Tofu spreads, preserves and tofunaise.**

### SINGAPORE

**FRASER & NEAVE (Singapore) PTE. LTD. ★**
475 River Valley Rd., Singapore 1024,
Ph. 65/4730222; TLX: 21687 (REDLION).
**CONTACT:** K.S. Kwok, R&D Mgr.
Tofu.

### SWITZERLAND

**GALACTINA LTD. ★**
Birkenwej 1-6, CH3123 Belp,
Ph. 0041/031/811111; TLX: 911658 (GABI CH).
**CONTACT:** Peter Speck
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**SOLNUTS, INC. ★**
711 7th St., P.O. Box 450, Hudson, IA 50643,
Ph. 319/988-3221; TWX: 510-600-6103 (SOLNUTS USA). Other offices: Solnuts B.V., Tilburg, NETHERLANDS; Witte Wonder B.V., Poeldijk, NETHERLANDS.
**CONTACT:** James Becker
**SOLNUTS (dry roasted soynuts) for use as snacks, confectionery products, salad toppings, health foods, etc. Available in halves and diced sizes; various flavors and coatings.**

### CANADA

**DAYSPRING SOYACRAFT CORPORATION**
626 Esquimalt Rd., No. 5, P.O. Box 7285,
Station D, Victoria, B.C. V9A 3L4,
Ph. 604/382-2144.
**CONTACT:** Paul J. Hsieh
**SOYNUTS.**

### FEDERAL REPUBLIC OF GERMANY

**EDELSOJA GmbH ★**
**Affiliate of Oelmuhle Hamburg AG and Lucas Meyer GmbH**
Ausschlager Elbdeich 62, D-2000 Hamburg 28,
Ph. 040/781708; TLX: 2163220 (MEYER D).
**CONTACT:** Karl-Otto Tielker
**Roasted soynuts.**

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Bad Homburg, Ph. 06172/22046;
TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.
**Roasted soybeans.**

**STERN-CHEMIE VOLKMAR WYWIOL ★**
An der Alster 81, D-2000 Hamburg 1,
Ph. 040/2/483001; TLX: 2-162052 (STAR D).
**CONTACT:** Juergen Woerner
**STERNNUTS roasted soynuts.**

### GUATEMALA

**ALIMENTOS S.A. ★**
Km. 14½, Carretera a el Salvador, Apartado Postal No. 8, Puerta Parada, Guatemala City,
Ph. 301268; TLX: 4182 (CERCEN GU).
**CONTACT:** Carlos F. Tejada, Gen. Mgr.
**Whole soybean snacks.**

### ISRAEL

**SHEFA PROTEIN INDUSTRY LTD.**
**Affiliate of Israel Edible Food Ltd.**
12 Htaasya St., P.O. Box 39, Arad 80700,
Ph. 57/957860 or 958049;
TLX: 5206 (SHEFA IL).
**CONTACT:** Dan Tov, Plant Mgr.
**Whole soybean snacks.**

### JAPAN

**MARUSAN-AI CO., LTD. ★**
1 Arashita Niki-Cho, P.O. Box 444-21, Okazaki, Aichi, Ph. 0564/45-3111 or 45-6607.
**NEMBE whole soybean snacks.**

### NETHERLANDS

**SOLNUTS B.V. ★**
Swaardvenstraat 41, P.O. Box 5066,
5004 EB Tilburg, Ph. 013/684991;
TLX: 52654 (SOLNU NL). Other offices: Solnuts, Inc., USA; Witte Wonder, Poeldijk, NETHERLANDS.
**CONTACT:** W. Bakker (01749/45999)
**SOLNUTS roasted soybeans.**

## OTHER SOY-BASED FOODS

### UNITED STATES

**AVATAR CORPORATION ★**
7728 W. 99th St., Hickory Hills, IL 60457,
Ph. 312/430-4200.
**CONTACT:** Lisa M. Pilch
**DPO-100 and BROWN N SERVE bread depanning oils, CO 8020 release agents, pharmaceutical grade triglycerides.**

**BARRICINI FOODS★**
123 South St., Oyster Bay, NY 11771,
Ph. 516/922-6212.
**CONTACT:** Robert Tepper, VP Sales & Mktg.
**TOFULITE yogurt with active yogurt cultures.**

**CLOFINE DAIRY PRODUCTS, INC.**
1407 New Rd., Box 335, Linwood, NJ 08221,
Ph. 609/653-1000; TLX: 132622 (CLOFINE DAIRY).
**CONTACT:** Ed Pedrick
**Spray dried tofu; dry tofu bases for frozen desserts, beverages, baking and salad dressings.**

**CREAM OF THE BEAN, INC.**
3973 Grove Ave., Gurnee, IL 60031-2118,
Ph. 312/623-4114.
**CONTACT:** Stuart Doblin, Pres.
**SOYGURT, with active cultures.**

**CUSTOM FOOD PRODUCTS, INC.★**
730 N. Albany Ave., Chicago, IL 60612,
Ph. 312/722-7500.
**CONTACT:** James W. Jones, Pres.
**Binders for meat products and dry gravy bases.**

**DURKEE INDUSTRIAL FOODS CORP.★**
925 Euclid Ave., Cleveland, OH 44115,
Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
**CONTACT:** C. E. Land, Jr. (216/344-8312)
**Breakfast foods and snacks.**

**FREEDOM FARMS, INC.★**
715 N. Finn Dr., Algona, IA 50511,
Ph. 515/295-3537.
**CONTACT:** Kirk B. Stauss
**Custom manufactured soy-based snack & cereal foods.**

**INARI, LTD.★**
200 State St., Mason, MI 48854,
Ph. 517/676-3836; TLX: 494748.
**CONTACT:** Leonard Stuttman, Pres.
**Granulated soynuts, plain and confection coated. Soynut butter and soynut/sesame butter.**

**LEGUME, INC.★**
170 Change Bridge Rd., Montville, NJ 07045,
Ph. 201/882-9190.
**CONTACT:** Gary Barat
**LEGUME light salad dressings, light mayo-spread, whipped mousse pies and TOFUFFINS (raisin bran & blueberry).**

**MALLET & CO. INC.★**
Bell Ave. & Rosslyn Rd., P.O. Box 474,
Carnegie, PA 15106, Ph. 412/276-9000.
**CONTACT:** A. E. Margolis
**VEGALUBE bread depanning oils, THRIFTEE cake depanning compounds.**

**NASOYA FOODS, INC.★**
23 Jytek Dr., P.O. Box 841, Leominster,
MA 01453, Ph. 617/537-0713.
**CONTACT:** Ms. Pam Earle
**Tofu salad dressing, NASOYANAISE (eggless tofu mayonnaise), tofu vegetable dips, soymilk in spray dried form.**

**NUTRITION TECHNOLOGY CORPORATION**
4555 Lake Forest Dr., Suite 415,
Cincinnati, OH 45242, Ph. 513/733-4333.
**CONTACT:** Paul Renzenbrink, Natl. Sales Mgr.
**Variety of TVP entrees and formulas for healthfood or mass market distribution.**

**QUONG HOP & COMPANY★**
161 Beacon St., South San Francisco, CA 94080,
Ph. 415/761-2022.
**CONTACT:** Ben Lee
**GOURMET FRESH salads.**

**ROSE INTERNATIONAL★**
P.O. Box 2687, Petaluma, CA 94953,
Ph. 707/778-7721; TLX: WU 990027 (ROSE INTERNATIONAL).
**CONTACT:** Richard Rose
**Tofu salad dressing, tofu and soymilk based dry desserts, soymilk yogurt.**

**SOPRO FOODS, INC.**
111 West Ave., Albion, NY 14411,
Ph. 716/589-7074.
**CONTACT:** Stephen C.P. Hwa, Pres.
**KOKEYAL imitation shrimp and scallops, NATURALEAN all purpose protein.**

**TOKYO FOOD PROCESSING CORP.**
**Affiliate of JFC International**
40 Varick Ave., Brooklyn, NY 11237,
Ph. 718/456-8884; TWX: 710-584-5455 (JFC NYK).
**CONTACT:** Keiji Shirata, VP
**Fried bean curd (abrage).**

## BELGIUM

**ALPRO N.V.★**
Zuidkaai 33, 8700 Izegem, Ph. 051/309601;
TLX: 81218 (ALPRO B).
**CONTACT:** Philippe Vandermoortele, Gen. Mgr.
**ALPRO, PROVAMEL and SUNSOY desserts; Tetra Brik 500cc and 1000cc.**

**DE HOBBIT★**
Waterstraat 4, 9980 St Laureins,
Ph. 32/91/799622.
**CONTACT:** Eric Dewilde, Gen. Mgr.
**Soyanaise.**

## BRAZIL

**ENERGE S.A.★**
**Affiliate of Nutrimental S.A.**
BR280, Km. 58, Guaramirim, Santa Catarina,
89258, Ph. 55/0473/730355; TLX: 474497.
**CONTACT:** Luis Augusto de Mello
**Soy base for milkshakes; instant soup.**

## CANADA

**DAYSPRING SOYACRAFT CORPORATION**
626 Esquimalt Rd., No. 5, P.O. Box 7285,
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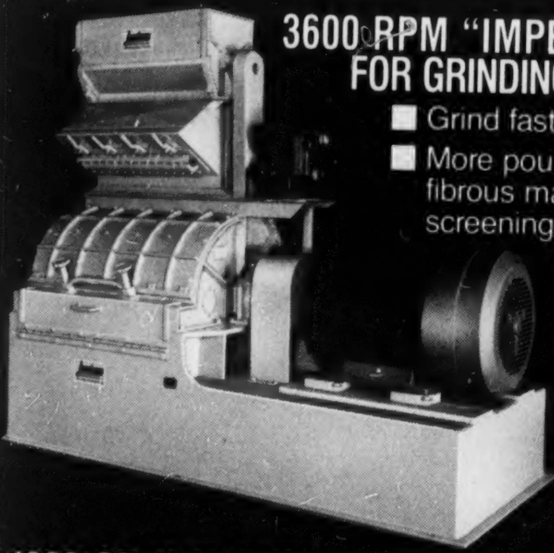

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**PRODUCTORA COSTARRICENSE DE ALIMENTOS ★**
Apartado 8-5780, 1000 San Jose,
Ph. 542770 or 542398.
**CONTACT:** Eugenio Valenciano, Plant Mgr.
**Dry powder for soy fortified cereal mixtures.**

## ENGLAND

**THE BRITISH ARKADY CO. LTD. ★**
**Affiliate of Archer Daniels Midland Co., Decatur, IL, USA**
Skerton Rd., Old Trafford, Manchester
M16 ONJ, Ph. 061/872-7161; TLX: 668488
(ARKADY G)
**CONTACT:** W. Pringle, Gen. Mgr.
**Soy flour mixes, vegetarian burger mixes, ARCADIAN range of meal makers.**

**FULL OF BEANS SOYFOODS ★**
Castle Precincts, Castle Ditch Lane, Lewes,
East Sussex BN7 1XH, Ph. 44/0273/472627.
**CONTACT:** Sam Gosling or John Gosling
**Miso (brown rice, organic soybean); Onchom (fermented okara); Pate.**

**HALDANE FOODS LTD. ★**
Hayhill Industrial Estate, Unit 25, Sileby Rd.,
Barrow upon Soar, Leicestershire LE12 8LD,
Ph. 050/981-6611; TLX: 342709 (HERAVN G).
**CONTACT:** Brian Wellsby
**YOGA: soy based yogurt; HERA soup mixes.**

## FEDERAL REPUBLIC OF GERMANY

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Bad Homburg, Ph. 06172/22046;
TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.
**Soy enriched food preparation.**

## FRANCE

**LIMA FRANCE**
**Affiliate of LIMA Belgium**
Le Moulin d'Andiran, 47170 Mezin,
Ph. 33/53/970023; TLX: 541137.
**CONTACT:** Mr. Stevens, Sales Mgr.
**Miso.**

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**BOULANGE soya bread mix.**

**SOJADOC ★**
**Affiliate of Cooperative Occitane**
Zone Industrielle La Viscose, 81000 Albi,
Ph. 33/63/454645; TLX: 531051 (COOCITA).
**CONTACT:** Jacques Isnard
**LOW FAT delicatessen; seafood and tofu pies (low fat pastry.)**

## GREECE

**BIOTROPHES LTD. ★**
45 Alopekis St., Athens 10676,
Ph. 0030/1/724-9525; TLX: 218671 (PHAL GR).
**CONTACT:** John Lewis
**Soya ready meals.**

## HONG KONG

**ASSOCIATED DAIRIES INTERNATIONAL LTD. ★**
**Affiliate of The Dairy Farm Co., Ltd., Hong Kong**
223 Wai Yip St., Kwun Tong, Kowloon,
Ph. 3-890235; TLX: 51101 (DFARM HX).
**CONTACT:** L.G. Nelson (5/837-6483).
**Sweetened soy jelly dessert.**

## INDIA

**THE TATA OIL MILLS CO. LTD. ★**
MAIN OFFICE: Bombay House,
Homi Mody Street, Bombay 400023,
Ph. 022/204-9131; TLX: 4880 (TOMC IN) or
11-2618 (TATA IN).
**CONTACT:** G.S. Sabnis, Mgr.-Protein Foods
**PROMA infant food (lactose free).**

## JAPAN

**MARUSAN-AI CO., LTD. ★**
1 Arashita Niki-Cho, P.O. Box 444-21, Okazaki,
Aichi, Ph. 0564/45-3111 or 45-6607.
**MARUSAN miso.**

## NETHERLANDS

**MANNA NATUURVOEDING ★**
Weerenweg 28, 1161AJ Zwanenburg,
Ph. 31/2907/2250; TLX: 10810 (MANNA NL).
**CONTACT:** Bernard Faber
**MANNA tofu-based spreads (natural, dill, sandwich, tofurin); MANNA soyanaise; MANNA organic soy flour.**

## SOUTH AFRICA

**THE BIG 'M' MANUFACTURING & DISTRIBUTING CORPORATION ★**
Corner of Kent and Harley Sts., P.O. Box 50197,
Randburg 2195, Transvaal, Ph. 27/11/789-2000;
TLX: 95-424887. Other office: Hygea Foods,
Johannesburg.
**CONTACT:** Chris Clegg, Mgr. Dir.
**BIG 'M' meat extenders and replacers, soups, gravies and stews.**

**JABULA FOODS LTD.**
**Affiliate of Premier Food Industries, Ltd.**
P.O. Box 818, Springs, Transvaal 1560,
Ph. 011/813-2232; TLX: 421386.
**CONTACT:** Sales Office
**Soups and other soyfoods containing textured vegetable protein.**

# Manufacturers of Industrial Grade Soy Products

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## INDUSTRIAL LECITHIN

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
**CONTACT:** Joe Meyer
Industrial lecithin.

**AMERICAN LECITHIN CO. ★**
451 Stephens St., SW, P.O. Box 4056,
Atlanta, GA 30302, Ph. 404/522-7060.
Other office: Woodside, NY.
**CONTACT:** Joseph Eichberg, Pres.
ALCOLEC lecithin.

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
Industrial lecithin.

**CENTRAL SOYA COMPANY, INC. ★**
Routes 47 & 9, Box 112, Gibson City, IL 60936,
Ph. 217/784-8261. Main office: Fort Wayne, IN.
**CONTACT:** John Lobe (219/425-5286)
CENTROMIX industrial lecithin for paints, inks and animal feeds.

**W.A. CLEARY PRODUCT, INC. ★**
1049 Somerset St., P.O. Box 10,
Somerset, NJ 08873, Ph. 201/247-8000.
**CONTACT:** Margaret A. Cleary, Pres.
CLEARATE SPECIAL, LV and WD industrial lecithin for paints.

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO). Other plant at Fridley, MN.
**CONTACT:** Dave Schostag (507/345-2251)
Industrial lecithin for paints, coatings and inks.

**LUCAS MEYER INC.**
**Affiliate of Lucas Meyer GmbH, Hamburg**
765 E. Pythian Ave., P.O. Box 2275,
Decatur, IL 62526, Ph. 217/875-3660;
TLX: 404387 (LUCAS MEYER DTR).
**CONTACT:** Roland Goodman
COLOROL, FORBEST and LIPOTIN industrial lecithin for paints, coatings, printing inks.

**PENTA MANUFACTURING COMPANY ★**
P.O. Box 1452, West Caldwell, NJ 07007,
Ph. 201/575-7475; TLX: RCA 219472
(PENT UR).
**CONTACT:** George M. Volpe
Industrial lecithin.

**QUINCY SOYBEAN CO. ★**
Hwy. 20 S., P.O. Box 70, Helena, AR 72342,
Ph. 501/338-6481; TLX: 404421 (QCY SOYBEAN). Main office: Quincy, IL.
**CONTACT:** Richard P. Schuering
Industrial lecithin.

**SPENCER KELLOGG PRODUCTS ★**
**NL Chemicals**
120 Delaware Ave., P.O. Box 807,
Buffalo, NY 14240, Ph. 716/852-5850;
TWX: 710-522-1810 (SPENKELSON).
KELECIN industrial lecithin.

### ARGENTINA

**INDO S.A. ★**
Reconquista 458, p.15°, Buenos Aires 1358,
Ph. 54111/2385-1589; TLX: 24085-9105-24283
(LAPCE AR).
**CONTACT:** Jorge Barthes
Industrial lecithin in bulk and 200ks iron drums.

**INDUSTRIAS MOLTURADORAS S.A. (IMSA) ★**
Roca esquina Cuba, Casilla de Correo 50,
Pto. Gral, San Martin 2202, Ph. 0476/22635 or
23073; TLX: 49615 (IMSA).
Industrial lecithin.

**MOLINOS RIO DE LA PLATA S.A.**
MAIN OFFICE: Paseo Colon 746,
Buenos Aires 1323, Ph. 54/111/30-8463,
30-8485, 33-3002 or 33-3003;
TLX: 22270 (MRPSA AR).
**CONTACT:** Juan D. Protto, Div. Mgr.
Industrial lecithin.

### BELGIUM

**LUCAS MEYER N.V. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Industrieterrein De Bruwaan, 5A,
B-9700 Oudenaarde, Ph. 055/317811;
TLX: 86138 (MEYER B).
CONTACT: Marc Aelvoet
LIPOTIN and LIPOWET industrial lecithin for paints, varnishes, leather, magnetic tapes, coatings, printing inks, cosmetics and soaps.

**N.V. VAMO MILLS ★**
MAIN OFFICE: Prins Albertlaan 12,
8700 Izegem, Ph. 32/51/332211; TLX: 81622.
CONTACT: G. Vanmarcke
Industrial lecithin for milk replacers and paints.

### BRAZIL

**ENERGE S.A. ★**
**Affiliate of Nutrimental S.A.**
BR 280, Km. 58, Guaramirim, Santa Catarina,
89258, Ph. 55/0473/730355; TLX: 474497.
CONTACT: Luis Augusto de Mello
Industrial lecithin for general uses.

**INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL) ★**
MAIN OFFICE: Av. Borges de Medeiros, 659,
12th Floor, Porto Alegre, RS, 90020,
Ph. 55/512/217799; TLX: 515196 (FIGF BR).
CONTACT: Sergio Lindemann, Export Mgr.
Industrial lecithin.

**INDUSTRIAS J.B. DUARTE S.A. ★**
MAIN OFFICE: Rua dos Patriotas, 1382,
P.O. Box 1002, Sao Paulo, SP, 04207,
Ph. 55/11/274-8211; TLX: 11-21226, 33172 or
36622 (IJBD BR).
CONTACT: Archimedes Jorge Cortellazzi
Industrial lecithin for general uses.

### CANADA

**MAPLE LEAF MONARCH CO. ★**
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
5550 Maplewood Dr., P.O. Box 7128,
Windsor, Ont. N9C 3Z1, Ph. 519/966-2700;
TLX: 06-477887 (MLM ON).
CONTACT: Doug Miller
Industrial lecithin.

**VICTORY SOYA MILLS LTD. ★**
**Division of Central Soya Company, Inc.**
**Ft. Wayne, IN, USA**
333 Lake Shore Blvd. E.,
Toronto, Ont. M5A 1C2, Ph. 416/363-8771.
CONTACT: Murray Davis
Industrial lecithin for paints and plastics.

### COLOMBIA

**GRASAS VEGETALES S.A. (GRAVETAL) ★**
Cra. 28, No. 37-79 Sabaneta, P.O. Box 80617,
Medellin, Ph. 57/4/288-0711;
TLX: 66797 (GVTAL CO).
CONTACT: Sergio Eusse
Industrial lecithin.

### DENMARK

**DS INDUSTRIES Aps ★**
Islands Brygge, DK-2300 Copenhagen S,
Ph. 45/01/546600; TLX: 31313 (DASOY DK).
CONTACT: J.L. Larson
Industrial lecithin.

### ENGLAND

**LUCAS MEYER (UK) LTD. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
42 City Rd., Chester CH1 3AE,
Ph. 0244/48447; TLX: 61616 (LMUKL G).
CONTACT: Mike Preston
LIPOTIN and LIPOWET industrial lecithin for paints, varnishes, leather, magnetic tapes, coatings, printing inks, cosmetics and soaps.

### FEDERAL REPUBLIC OF GERMANY

**LUCAS MEYER GmbH & CO. ★**
MAIN OFFICE: Ausschlaeger Elbdeich 62,
P.O. Box 280246, 2000 Hamburg 28,
Ph. 040/781701; TLX: 2163200 (MEYER D).
CONTACT: Jens Heiser
LIPOTIN and LIPOWET industrial lecithin for paints, varnishes, leather, magnetic tapes, coatings, printing inks, cosmetics and soaps.

**NATTERMANN CHEMIE GmbH ★**
Nattermannallee 1, P.O. Box 350120,
D-5000 Koln 30, Ph. 221/509-2498;
TLX: 8882663 (DROG D).
CONTACT: Achim Andres
Industrial lecithin.

**OELMUEHLEN (THOERL) GmbH ★**
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
1 Hafenstrasse 15, P.O. Box 901440,
D-2100 Hamburg 90, Ph. 40/771240;
TLX: 217678 (ODMTH D).
CONTACT: Justes Kruger
Industrial lecithin.

**O. & L. SELS ★**
Duesseldorfer Str. 99-101, P.O. Box 101348,
D-4040 Neuss/Rhein, Ph. 2101/27990;
TLX: 8517835 (SELS D).
CONTACT: Josef Kerres
Industrial lecithin.

**SOYA MAINZ GmbH & CO. KOMMANDITGESELLSCHAFT ★**
Dammweg 2, P.O. Box 3767, 6500 Mainz,
Ph. 06131/80051; TLX: 4187761 (ASM D).
CONTACT: Dieter Berres
Industrial lecithin.

**STERN-CHEMIE VOLKMAR WYWIOL ★**
An der Alster 81, D-2000 Hamburg 1,
Ph. 040/2/483001; TLX: 2-162052 (STAR D).
CONTACT: Juergen Woerner
STERNCITHIN AND STERNPHIL industrial lecithin.

## FINLAND

**OLJYNPURISTAMO OY**
Niittaajankatu 1, P.O. Box 15, SF-00811 Helsinki,
Ph. 358/0/780155; TLX: 121518 (OILML SF)
CONTACT: P. Karri, Mktg. Dir.
Industrial lecithin.

## FRANCE

**LUCAS MEYER FRANCE S.A. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
106, Avenue du General Leclerc, 94100 St. Maur des Fosses, Ph. 14/885-4251; TLX: 210322 (FRANCOIS).
CONTACT: Pierre Lebourd
LIPOTIN and LIPOWET industrial lecithin for paints, varnishes, leather, magnetic tapes, coatings, printing inks, cosmetics and soaps.

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179; TLX: 613381 (SOLEAG).
CONTACT: Guy Deneck
Industrial lecithin.

## HAITI

**ENTREPRISE NATIONALE DES OLEAGINEUX (ENAOL)**
P.O. Box 13460, Delmas, Port au Prince,
Ph. 2/0444, 4582 or 4589;
TLX: 2030550 (ENAOL).
CONTACT: Wilner Dessources, Gen. Mgr.
Industrial lecithin.

## INDIA

**VIPPY SOLVEX PRODUCTS LTD. ★**
28, Industrial Area, A.B. Rd., Dewas 455001,
M.P., Ph. 2581 or 2582; TLX: 0732-201.
CONTACT: Pradash C. Mutha
Industrial lecithin.

## ISRAEL

**IZHAR INDUSTRIES (2000) LTD. ★**
Industry Area, "Ad-Halom", P.O. Box 3093,
Ashdod 77130, Ph. 972/055/51143.
Main office: Tel Aviv.
CONTACT: Michael Mitelman, Mgr.
Industrial lecithin.

## ITALY

**ITALIANA OLII E RISI S.p.A. ★**
MAIN OFFICE: Via Romolo Gessi 20,
48100 Ravenna, Ph. 39/0544/31222;
TLX: 551264, 551271 or 550077 (IOR RA).
Industrial lecithin for animal feed.

**LUCAS MEYER S.R.L. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Via Venezia 34, 35010 Vigonza,
Ph. 049/629011; TLX: 430145 (GIPA I).
CONTACT: Axel Skulte
LIPOTIN and LIPOWET industrial lecithin for paints, varnishes, leather, magnetic tapes, coatings, printing inks, cosmetics and soaps.

## KOREA

**CHEIL SUGAR & CO., LTD. ★**
MAIN OFFICE: Dong Bang Main Bldg.,
17th Floor, 150, 2-Ka, Taepyung-Ro, Chung-ku,
Seoul 100, Ph. 02/7518-514;
TLX: 29359 (CHESUCO K).
CONTACT: J. H. Kim, Gen. Mgr.
Industrial lecithin.

**DONG BANG CORPORATION ★**
MAIN OFFICE: 2, 4-Ka, Yangpyong-dong,
Yungdungpo-ku, C.P.O. Box 3031, Seoul 150,
Ph. 82/02/676-9121; TLX: 27334 (DB CORP).
CONTACT: Jang Hong Yoo, Dir.
Industrial lecithin for animal/livestock feed.

## MEXICO

**DERIVADOS DE OLEAGINOSAS DEL VALLE S.A. DE C.V.**
**Affiliate of Molinos Union del Yaqui S.A. de C.V.**
Av. Miguel Aleman No. 703 Sur, Altos,
P.O. Box 356, Ciudad Obregon, Sonora 85000,
Ph. 5/641/52270; TLX: 552813 (MUY ME).
CONTACT: Ramon Rivera, Gen. Mgr.
Industrial lecithin.

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V. ★**
Manuel Gonzalez No. 165, Col. Atlampa,
Mexico D.F. 06450, Ph. 90/5/583-4022;
TLX: 1772498 (POLA ME).
CONTACT: Diego Gutierrez, Production Mgr.
Industrial lecithin.

## NETHERLANDS

**LUCAS MEYER B.V. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Frankenslag 107, 2508EA s'Gravenhage,
Ph. 070/500300; TLX: 32014 (MEYER NL).
CONTACT: Andre van der Zande
LIPOTIN and LIPOWET industrial lecithin for paints, varnishes, leather, magnetic tapes, coatings, printing inks, cosmetics and soaps.

**UNIMILLS B.V. ★**
**Affiliate of Unilever N.V., Rotterdam**
Lindtsedijk 8, P.O. Box 18, 3330AA Zwijndrecht,
Ph. 31/78/109911, TLX: 29031 (UMIL NL).
CONTACT: W. F. Scotland, Mgr.
BOLEC-2 industrial lecithin for calf milk replacers.

## NORWAY

**A/S DENOFA OG LILLEBORG FABRIKER ★**
Sandakerveien 56, P.O. Box 4236, 0401 Oslo 4,
Ph. 47/02/220050; TLX: 71181.

CONTACT: H.P. Naes, Export Mgr.
Industrial lecithin.

### PORTUGAL

**PRODUTORA E REFINADORA DE OLEOS SARL (PRAZOL)**
**Affiliate of Fabricas Vasco da Gama, Matosinhos**
Av. Bernadino Machado-Formariz, P.O. Box 52,
4480 Vila do Conde, Ph. 351/52/620897;
TLX: 23838 (PRAVIC).
CONTACT: Fernando Cunha, Plant Dir.
Industrial lecithin for emulsifiers.

### SPAIN

**LUCAS MEYER S.A. ★**
**Affiliate of Lucas Meyer GmbH, Hamburg**
Via Augusta 13-15, 08006 Barcelona,
Ph. 3/218-5762; TLX: 99703 (LUCAS E).
CONTACT: Pedro Duenas
LIPOTIN and LIPOWET industrial lecithin for paints, varnishes, leather, magnetic tapes, coatings, printing inks, cosmetics and soaps.

**OLEAGINOSAS ESPANOLAS S.A. (OESA) ★**
Puerto de Barcelona, Muelle de Contradique
s/n, P.O. Box 22270, 08004 Barcelona,
Ph. 34/3/318-8036;
TLX: 52612 or 50831 (OLEA E).
CONTACT: Jose Ferrer Berta
Industrial lecithin.

**SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) ★**
MAIN OFFICE: Plaza de Chamberi 8, 7th Floor,
28010 Madrid, Ph. 34/1/447-3013;
TLX: 27216 (SIMSA E).
CONTACT: Jesus Prieto
SIMSASOL industrial lecithin for pharmaceuticals, cosmetics and other industrial uses.

### TURKEY

**PAKSOY TICARET ve SANAYI A.S. ★**
Karatas Yolu 184, P.O. Box 144, Adana,
Ph. 90/711/14666; TLX: 62739 (SADE TR).
CONTACT: Ibrahim Paksoy
Industrial lecithin.

**SUMERBANK SOYA SANAYII MUESSESESI**
P.K. 4, PTT Kod. No. 52001, Ordu,
Ph. 371/11363 or 11611; TLX: 74510.
CONTACT: Ibrahim Kilic, Dir.
SUMERBANK industrial lecithin.

### YUGOSLAVIA

**TVORNICA ZA PRERADU SOJE ★**
Gazenice, PP 215, Zadar 57000,
Ph. 38/57/23400 or 24993; TLX: 27149 (TPS).
CONTACT: Commercial Sector
Industrial lecithin.

## INDUSTRIAL SOY FLOUR/ SOY PROTEIN

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
CONTACT: Joe Meyer
Industrial soy flour/soy protein.

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
CONTACT: James Stowell
Industrial soy flour/soy protein.

**CARGILL, INC. ★**
P.O. Box 3428, Bloomington, IL 61702,
Ph. 309/827-7100. Main office: Minneapolis, MN.
CONTACT: Dave Cyrus
Industrial soy flour/soy protein.

**CARGILL, INC. ★**
P.O. Box 119, Lafayette, IN 47902,
Ph. 317/423-1511. Main office: Minneapolis, MN.
CONTACT: Paul Hiemenz
Industrial soy flour/soy protein.

**CARGILL, INC. ★**
411 6th St., NE, P.O. Box 1748,
Cedar Rapids, IA 52406, Ph. 319/399-4000.
Main office: Minneapolis, MN.
CONTACT: Jim Bohlander
Industrial soy flour/soy protein.

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO). Other plant at Fridley, MN.
CONTACT: Ed Senska (507/345-2241)
Industrial soy flour for plywood.

**RALSTON PURINA COMPANY ★**
Checkerboard Square, St. Louis, MO 63164,
Ph. 800/325-7108; TLX: 447240 (RAL PRO).
CONTACT: Customer Service, Polymer Division
PRO COTE polymers.

### BELGIUM

**N.V. VAMO MILLS ★**
MAIN OFFICE: Prins Albertlaan 12,
8700 Izegem, Ph. 32/51/332211; TLX: 81622.
CONTACT: J. Vandermoortele
Full fat industrial soy flour/soy protein.

### BRAZIL

**ENERGE S.A. ★**
**Affiliate of Nutrimental S.A.**
BR 280, Km. 58, Guaramirim, Santa Catarina,
89258, Ph. 55/0473/730355; TLX: 474497.
CONTACT: Luis Augusto de Mello
GUAMY 11-C industrial soy flour for the plywood industry (as adhesive).

**INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL)**
MAIN OFFICE: Av. Borges de Medeiros, 659,
12th Floor, Porto Alegre, RS, 90000,
Ph. 512/217799, TLX: 511732 (STEF BR).
**CONTACT:** Stefan Wenzel
**Industrial soy flour.**

## ENGLAND

**BOCM SILCOCK LTD. ★**
MAIN OFFICE: Basing View, Basingstoke,
Hampshire RG21 2EQ, Ph. 0256/29211;
TLX: 858429 (BSHO G).
**CONTACT:** David Lewin
**SUPERSOY industrial soy protein for animal feeds.**

**CHERWELL VALLEY SILOS LTD. ★**
Twyford, Banbury, Oxfordshire OX17 3AA,
Ph. 0295/811441; TLX: 83477 (CVS BAN G).
**CONTACT:** James Hoy
**Full fat industrial soy flour for animal feeds.**

## FEDERAL REPUBLIC OF GERMANY

**EDELSOJA GmbH ★**
**Affiliate of Oelmuhle Hamburg AG and Lucas Meyer GmbH**
Ausschlaeger Elbdeich 62, D-2000 Hamburg 28,
Ph. 040/781708; TLX: 2163220 (MEYER D).
**CONTACT:** Karl-Otto Tielker
**Industrial soy flour/protein.**

## FRANCE

**CHERWELL-RALLI EUROPE ★**
Z.I. de Rouxmesnil Bouteilles, P.O. Box 147,
76204 Dieppes, Ph. 33/3582-7285; TLX: 180655
(CHERLI). Other office: Evergem, BELGIUM.
**Full fat industrial soy flour for animal feed.**

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**SOYOPTIM and SOYASSIM industrial soy flour/soy protein.**

## GUATEMALA

**ALIMENTOS S.A. ★**
Km. 14½, Carretera a el Salvador, Apartado
Postal No. 8, Puerta Parada, Guatemala City,
Ph. 301268; TLX: 4182 (CERCEN GU).
**CONTACT:** Carlos F. Tejada, Gen. Mgr.
**Industrial soy flour/soy protein.**

## HAITI

**ENTREPRISE NATIONALE DES OLEAGINEUX (ENAOL)**
P.O. Box 13460, Delmas, Port au Prince,
Ph. 2/0444, 4582 or 4589;
TLX: 2030550 (ENAOL).
**CONTACT:** Wilner Dessources, Gen. Mgr.
**Industrial soy flour/soy protein.**

## INDIA

**ALLANA OIL MILLS ★**
MAIN OFFICE: Allana House, 4 Allana Rd.,
G.P.O. Box 997, Bombay 400039,
Ph. 91/22/240115; TLX: 11-3317 or 11-4849
(ALNA IN).
**CONTACT:** B. Mallik or K.C. Mehta
**Industrial soy flour/soy protein for feedstuffs.**

**BOMBAY EXTRACTIONS LTD. ★**
Daya Mandir, 1st Floor, 123-25 Mumbadevi Rd.,
Bombay 400003, Ph. 328259 or 328196;
TLX: 11-75472 (BELL IN).
**CONTACT:** H. J. Jani
**Industrial soy flour.**

**VIPPY SOLVEX PRODUCTS LTD. ★**
28, Industrial Area, A.B. Rd., Dewas 455001,
M.P., Ph. 2581 or 2582; TLX: 0732-201.
**CONTACT:** Pradash C. Mutha
**Full fat industrial soy flour.**

## IRAN

**SHERKATE SAHAMI ROWGHAN NABATI JAHAN**
15 Malekoshoara Bahar Ave., Tehran,
Ph. 21/838036; TLX: 214079 (RNJ IR).
**CONTACT:** Hamid Ghazanfar, Mgr. Dir.
**JAHAN industrial soy flour/soy protein for animal feed.**

## IRELAND

**WILLIAM CONNOLLY & SONS LTD. ★**
Red Mills, Goresbridge, Co. Kilkenny,
Ph. 0503/75144; TLX: 66045 (WCSL DI).
**CONTACT:** William Connolly
**Full fat industrial soy flour for animal feeds.**

**NORTH WEST SILOS LTD. ★**
37/41 High St., Belfast BT1 2AB,
Ph. 11/44232/322479; TLX: 74102 (RUSMAC G).
**CONTACT:** Denis H. Cooley
**Full fat industrial soy flour/soy protein for animal feed.**

## ISRAEL

**HAYES ASHDOD LTD.**
**Subsidiary of Koor Foods Ltd.**
Habosem St., Industrial Zone, P.O. Box 2230,
Ashdod 77121, Ph. 972/55/24251;
TLX: 371885 (HAYES IL).
**CONTACT:** Tom Klein, Managing Dir.
**HAYPRO CMR industrial soy flour/soy protein for animal feed.**

## ITALY

**SOCIETA INTERNAZIONALE OLEARIA S.p.A. (SIO)**
MAIN OFFICE: Via le Reiter, 130,
41100 Modena, Ph. 059/222571;
TLX: 510138 (SIO MO I).

**CONTACT:** Giancarlo Zelocchi, Mgr. Dir.
**Industrial soy flour/soy protein.**

## JAPAN

**NIKKA FATS & OILS CO., LTD. ★**
1-8-1, Kitahama, Nakamatsu-ku, Kitakyushu 808,
Ph. 093/761-2635.
**CONTACT:** S. Shirakawa, Plant Mgr
**BANZAI, TOKSEN-KAIKAMAME soy flour for feed.**

**THE NISSHIN OIL MILLS, LTD. ★**
23-1, Shinkawa, 1-Chome, Chuo-ku, Tokyo 104,
Ph. 555-6605.
**CONTACT:** Takahisa Toyama
**Industrial soy flour.**

**SHOWA SANGYO CO., LTD. ★**
MAIN OFFICE: 2-1, 2 Chome, Uchikanda,
Chiyoda-ku, Tokyo 101, Ph. 03/257-2020 or
222-6336.
**CONTACT:** Fumio Kobayashi, Mgr. Oil &
Fat Dept.
**SHOWA FRESH industrial soy flour/soy protein.**

## KOREA

**DONG BANG CORPORATION ★**
MAIN OFFICE: 2, 4-Ka, Yangpyong-dong,
Yungdungpo-ku, C.P.O. Box 3031, Seoul 150,
Ph. 82/02/676-9121; TLX: 27334 (DBCORP).
**CONTACT:** Jang Hong Yoo, Dir.
**HAEPO industrial soy flour/soy protein.**

## MEXICO

**ACEITE CASA S.A. DE C.V.**
Ave. Ceylon No. 793, Fracc. Industrial Vellejo,
02300 Mexico D.F., Ph. 5/567-9322;
TLX: 01771716 (CASA ME).
**CONTACT:** Enrico Cusi, Pres.
**Industrial soy flour/soy protein.**

**RAUL GARCIA Y CIA., S.A. DE C.V. (GRUPO RAGASA) ★**
MAIN OFFICE: Av. Ruiz Cortines 257 Pte.,
P.O. Box 45, Monterrey, Nuevo Leon 64000,
Ph. 01152/83/515700; TLX: 382648 (RAGA ME).
**CONTACT:** Enrique R. Garcia, Director
**Full fat industrial soy flour for animal feed.**

**INDUSTRIAL DE ALIMENTOS S.A. ★**
Poniente 146, No. 789, 02300 Mexico D.F.,
Ph. 905/567-4022.
**CONTACT:** Antonio Mouret, Sales Mgr.
**Full fat soy flour for fermentations.**

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V. ★**
Manuel Gonzalez No. 165, Col. Atlampa,
Mexico D.F. 06450, Ph. 90/5/583-4022;
TLX: 1772498 (POLA ME).
**CONTACT:** Diego Gutierrez, Production Mgr.
**Industrial soy flour/soy protein.**

## NETHERLANDS

**CARGILL B.V. ★**
**Affiliate of Cargill, Inc., Minneapolis, MN, USA**
Coenhavenweg 2, P.O. Box 8074,
1013BL Amsterdam, Ph. 31/020/580-1911.
**CONTACT:** George Henni
**Industrial soy flour/soy protein.**

**HENDRIX VOEDERS B.V. ★**
**Affiliate of B.P. Nutrition**
Veerstraat 48, P.O. Box 1, 5831JN Boxmeer,
Ph. 8855/89911; TLX: 37291 (HDRX NL).
**CONTACT:** N. van der Vlist, Dir.
**Full fat industrial soy flour/soy protein for petfood, fishfood and cattlefeed.**

## PORTUGAL

**SOCIEDADE NACIONAL DE SABOES LDA. ★**
Rua de Marvilla, 151, Apartado 2270,
1107 Lisbon, Ph. 351/01/381571 or 382005;
TLX: 18474 (SABOES P).
**CONTACT:** Armando G. Antunes
**Full fat industrial soy protein for livestock feed products.**

## SPAIN

**ACEITES Y PROTEINAS S.A. (ACEPROSA) ★**
Repelega S/N°, P.O. Box 6, 48920 Portugalete,
Vizcaya, Ph. 94/4965111; TLX: 32753 (ACEPR E).
**CONTACT:** Juan Leguina, Sales Mgr.
**EMULSOY industrial soy flour, extracted and full fat, for milk replacers.**

## TAIWAN

**FONG-MAO INDUSTRIES CO. LTD. ★**
No. 42-13 Houpi Village, Houpi, Tainan 73101,
Ph. 886/6/687-1111.
**CONTACT:** K.Y. Lin, Gen. Mgr.
**Full fat industrial soy flour.**

**FWU SOW GRAIN PRODUCTS CO., LTD.**
MAIN OFFICE: 45, Sha-Tyan Rd.,
Sha-Lu 43306, Taichung, Ph. 886/046/362111;
TLX: 22237 (FWU SOW).
**CONTACT:** Chia Yuh Trading Co., Ltd.
70, Ningpo St., Taipei
**Industrial soy flour/soy protein for animal feed.**

## TURKEY

**BAG YAGLARI SANAYI ve TICARET T.A.S. ★**
1520 Sokak No. 36, P.O. Box 15, Izmir,
Ph. 90/51/219180 or 255406; TLX: 52221
(GOML).
**CONTACT:** Moris Ruso, Mgr. Dir.
**Full fat industrial soy flour.**

**SUMERBANK SOYA SANAYII MUESSESESI**
P.K. 4, PTT Kod. No. 52001, Ordu,
Ph. 371/11363 or 11611; TLX: 74510.
**CONTACT:** Ibrahim Kilic, Dir.
**SUMERBANK industrial soy flour/soy protein.**

## INDUSTRIAL SOY OIL

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
**CONTACT:** Joe Meyer
**Industrial soy oil.**

**ARCHER DANIELS MIDLAND CO. ★**
MAIN OFFICE: 4666 Faries Pkwy.,
P.O. Box 1470, Decatur, IL 62525,
Ph. 217/424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
**CONTACT:** James Stowell
**Industrial soy oil.**

**CAPITAL CITY PRODUCTS COMPANY ★**
525 W. 1st Ave., P.O. Box 569, Columbus, OH
43216-0569, Ph. 614/299-3131; TLX: 245494
(CAPCTY PRD COL).
**CONTACT:** Robert D. Recob or Russell T.
McIntyre
**Industrial soy oil for paints.**

**CARGILL, INC. ★**
P.O. Box 3428, Bloomington, IL 61702,
Ph. 309/827-7100. Main office: Minneapolis, MN.
**CONTACT:** Dave Cyrus
**Industrial soy oil.**

**CARGILL, INC. ★**
P.O. Box 119, Lafayette, IN 47902,
Ph. 317/423-1511. Main office: Minneapolis, MN.
**CONTACT:** Paul Hiemenz
**Industrial soy oil.**

**CENTRAL SOYA COMPANY, INC. ★**
605 Goodrich Rd., Box 369, Bellevue, OH 44811,
Ph. 419/483-2392. Main office: Fort Wayne, IN.
**CONTACT:** Dan Kramer (219/425-5752)
**Industrial soy oil.**

**CONWAY OIL COMPANY ★**
1405 W. Washington St., Denison, TX 75020,
Ph. 214/465-3655.
**CONTACT:** Andy Wilson
**Industrial soy oil for chemicals, paints & thinners, animal feeds.**

**DURKEE INDUSTRIAL FOODS CORP. ★**
925 Euclid Ave., Cleveland, OH 44115,
Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
**CONTACT:** C.E. Land, Jr. (216/344-8312)
**Industrial soy oil for lubricants and emulsifiers.**

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO). Other
plant at Fridley, MN.
**CONTACT:** Dave Schostag (507/345-2251)
**Industrial soy oil for paints and coatings.**

**PENTA MANUFACTURING COMPANY ★**
P.O. Box 1452, West Caldwell, NJ 07007,
Ph. 201/575-7475; TLX: RCA 219472
(PENTA UR)
**CONTACT:** George M. Volpe
**Industrial soy oil for lubricants.**

**QUINCY SOYBEAN CO. ★**
Hwy. 20 S., P.O. Box 70, Helena, AR 72342,
Ph. 501/338-6481; TLX: 404421 (QCY
SOYBEAN). Main office: Quincy, IL.
**CONTACT:** Richard P. Schuering
**Industrial soy oil.**

**RICELAND FOODS, INC. ★**
10800 Financial Pkwy., Suite 380, P.O. Box 8201,
Little Rock, AR 72212, Ph. 501/225-0936;
TLX: 240064 (RNLD UR); TWX: 910-720-6240
(ARK GRAIN CO). Main office: Stuttgart, AR.
**CONTACT:** Jim Crawford
**Industrial soy oil.**

**SPENCER KELLOGG PRODUCTS ★**
**NL Chemicals**
120 Delaware Ave., P.O. Box 807,
Buffalo, NY 14240, Ph. 716/852-5850;
TWX: 710-522-1810 (SPENKELSON).
**Industrial soy oil for coatings and resins.**

**TOWNSENDS, INC. ★**
Route 24 E., P.O. Box 468, Millsboro, DE 19966,
Ph. 302/934-3015.
**CONTACT:** Seth Taylor, Merch. Mgr.
**Fully refined and bleached industrial soy oil for paints, varnishes and chemicals.**

### ARGENTINA

**INDUSTRIAS MOLTURADORAS S.A. (IMSA) ★**
Roca esquina Cuba, Casilla de Correo 50,
Pto. Gral, San Martin 2202, Ph. 0476/22635 or
23073; TLX: 49615 (IMSA).
**Industrial soy oil.**

### BELGIUM

**N.V. VANDEMOORTELE ★**
Prins Albertlaan 12, 8700 Izegem,
Ph. 32/51/332211; TLX: 81622 (VAMO B).
**CONTACT:** Jose Claerhout
**Industrial soy oil.**

### BRAZIL

**INDUSTRIAS J.B. DUARTE S.A. ★**
MAIN OFFICE: Rua dos Patriotas, 1382,
P.O. Box 1002, Sao Paulo, SP, 04207,
Ph. 55/11/274-8211; TLX: 11-21226, 33172 or
36622 (IJBD BR).
**CONTACT:** Archimedes Jorge Cortellazzi
**Industrial soy oil for general uses.**

### CANADA

**CANADA PACKERS, INC.**
**Edible Oils Division**
1260 Mill St., Montreal, Quebec H3K 2B4,
Ph. 514/934-6591; TLX: 0556061.
Main office: Toronto, Ont.
**CONTACT:** Jean Paul Faille, Plant Mgr.
**Industrial soy oil for paints.**

**CANADA PACKERS, INC.**
**Edible Oils Division**
30 Weston Rd., Toronto, Ont. M6N 3P4,
Ph. 416/761-43234;
TLX: 069-69539 (CDAPACKOIL TOR).
Main office also at Toronto, Ont.
**CONTACT:** Art Cyr, Plant Mgr.
**Industrial soy oil for paints.**

**CANADA PACKERS, INC.**
**Edible Oils Division**
6600 Marion St., Winnipeg, Man. R2J 0K4,
Ph. 204/237-9811; TLX: 0757729.
Main office: Toronto, Ont.
**CONTACT:** Jack Cummings, Plant Mgr.
**Industrial soy oil for paints.**

### COLOMBIA

**GRASAS VEGETALES S.A. (GRAVETAL) ★**
Cra. 28, No. 37-79 Sabaneta, P.O. Box 80617,
Medellin, Ph. 57/4/288-0711;
TLX: 66797 (GVTAL CO).
**CONTACT:** Sergio Eusse
**Industrial soy oil.**

### DENMARK

**DS INDUSTRIES ApS ★**
Islands Brygge, DK-2300 Copenhagen S,
Ph. 45/01/546600; TLX: 31313 (DASOY DK).
**CONTACT:** J.L. Larson
**Industrial soy oil.**

### ENGLAND

**BOCM SILCOCK LTD. ★**
MAIN OFFICE: Basing View, Basingstoke,
Hampshire RG21 2EQ, Ph. 0256/29211;
TLX: 858429 (BSHO G).
**CONTACT:** David Lewin
**Industrial soy oil for resin manufacture.**

### FEDERAL REPUBLIC OF GERMANY

**OELMUEHLEN (THOERL) GmbH ★**
**Affiliate of Archer Daniels Midland**
**Decatur, IL, USA**
1 Hafenstrasse 15, P.O. Box 901440,
D-2100 Hamburg 90, Ph. 40/771240;
TLX: 217678 (ODMTH D).
**CONTACT:** Justes Kruger
**Industrial soy oil for paints & varnishes.**

**OLWERKE NOURY &**
**VAN DER LANDE GmbH ★**
Industriestrasse 10, P.O. Box 1520,
D-4240 Emmerich/Rhein, Ph. 02822-74341;
TLX: 8125203 (NVL D).
**CONTACT:** F. Kielman, Sales Mgr.
**Industrial soy oil (soy standoils, blown and boiled soy oils) for resins, paints & varnishes.**

**SOYA MAINZ GmbH & CO.**
**KOMMANDITGESELLSCHAFT ★**
Dammweg 2, P.O. Box 3767, 6500 Mainz,
Ph. 06131/80051; TLX: 4187761 (ASM D).
**CONTACT:** Dieter Berres
**Industrial soy oil.**

### FINLAND

**OLJYNPURISTAMO OY**
Niittaajankatu 1, P.O. Box 15, SF-0081 Helsinki,
Ph. 358/0/780155; TLX: 121518 (OILML SF).
**CONTACT:** P. Karri, Comm. Dir.
**Industrial soy oil.**

### FRANCE

**SOCIETE INDUSTRIELLE DES**
**OLEAGINEUX (SIO) ★**
MAIN OFFICE: 30 Rue des Peupliers,
92000 Nanterre, Ph. 4784-4179;
TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**Industrial soy oil.**

### INDIA

**BOMBAY EXTRACTIONS LTD. ★**
Daya Mandir, 1st Floor, 123-25 Mumbadevi Rd.,
Bombay 400003, Ph. 328259 or 328196;
TLX: 11-75472 (BELL IN).
**CONTACT:** H.S. Jani
**Industrial soy oil.**

**THE MALWA VANASPATTI &**
**CHEMICAL CO. LTD. ★**
Mohatta Nagar, Indore 452003, Ph. 23251;
TLX: 0735-228 (MVCC IN).
**CONTACT:** C.S. Radhakrishnan, Pres.
**Industrial soy oil.**

**VIPPY SOLVEX PRODUCTS LTD. ★**
28, Industrial Area, A.B. Rd., Dewas 455001,
M.P., Ph. 2581 or 2582; TLX: 0732-201.
**CONTACT:** Pradash C. Mutha
**Industrial soy oil.**

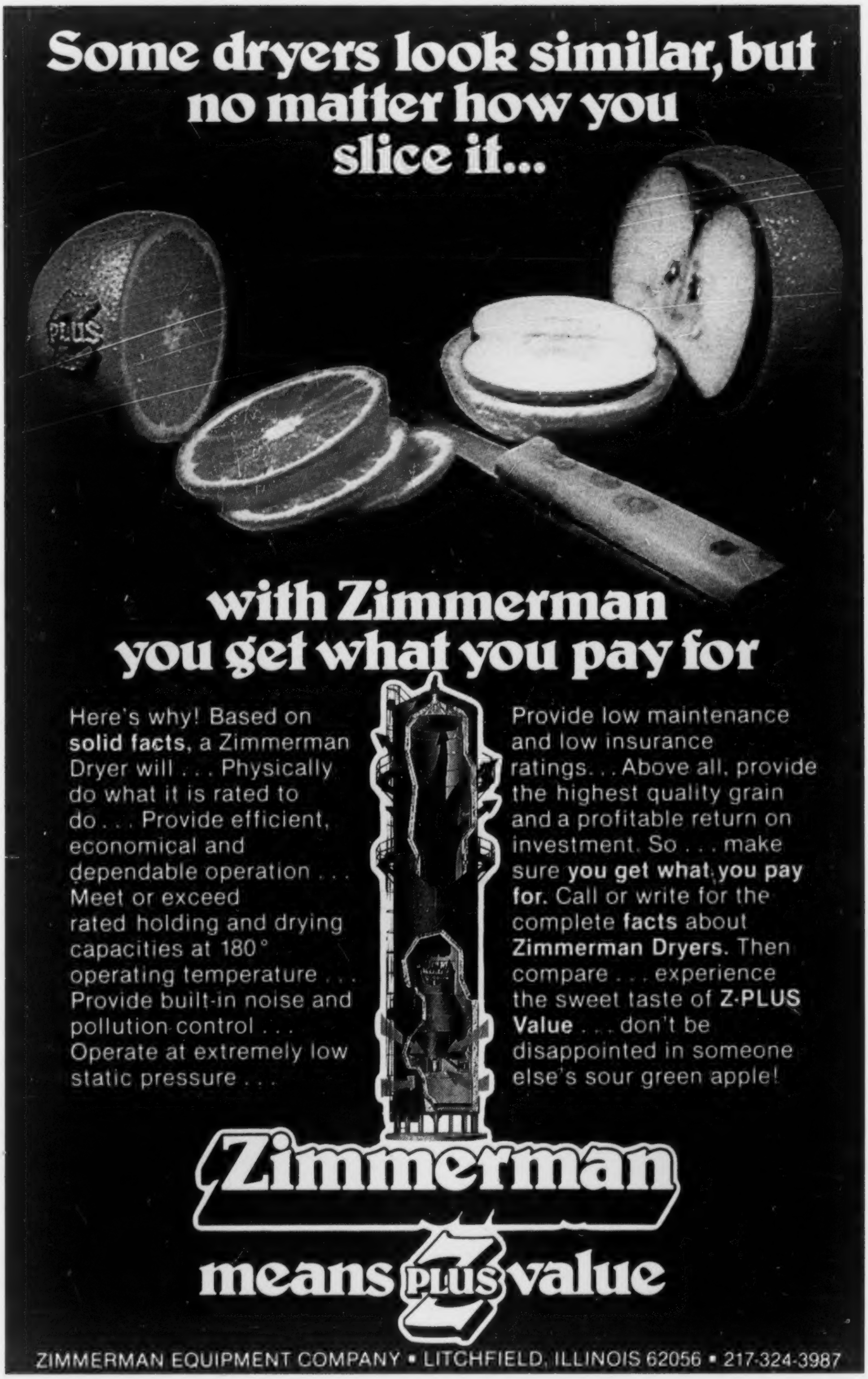
### ITALY

**ITALIANA OLII E RISI S.p.A. ★**
MAIN OFFICE: Via Romolo Gessi 20,
48100 Ravenna, Ph. 39/0544/31222;
TLX: 551264, 551271 or 550077 (IOR RA).
**Industrial soy oil for paints.**

**SOCIETA INTERNAZIONALE OLEARIA**
**S.p.A. (SIO)**
MAIN OFFICE: Via le Reiter, 130,
41100 Modena, Ph. 059/222571;
TLX: 510138 (SIO MO I).
**CONTACT:** Giancarlo Zelocchi, Mgr. Dir.
**Industrial soy oil.**

### JAPAN

**HOHNEN OIL CO. LTD. ★**
MAIN OFFICE: Mitsui Life Insurance Bldg., 2-3
Ohtemachi, 1-Chome, Chiyoda-ku, Tokyo 100,
Ph. 03/211-6511; TLX: 222-3084 (HONEN J).
**CONTACT:** Masaru Okahane, Asst. Mgr., Raw Materials Section
**Industrial soy oil.**



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CONTACT: S. Shirakawa, Plant Mgr.
**Industrial soy oil for paints, varnishes, etc.**

**NIKKO OIL MILLS CO. LTD.**
MAIN OFFICE: Kowa Hitotsubashi Bldg.,
3-5-1 Nishiki-cho, Chiyoda-ku, Tokyo 101,
Ph. 81/3/233-3951; TLX: 222-4940 (NIKOIL).
CONTACT: F. Nonaka, Mgr. Dir.
**Industrial soy oil for paints and inks.**

**THE NISSHIN OIL MILLS, LTD. ★**
23-1, Shinkawa, 1-Chome, Chuo-ku, Tokyo 104,
Ph. 555-6605.
CONTACT: Takahisa Toyama
**Industrial soy oil.**

### MEXICO

**ACEITE CASA S.A. DE C.V.**
Ave. Ceylon No. 793, Fracc. Industrial Vellejo,
02300 Mexico D.F., Ph. 5/567-9322;
TLX: 01771716 (CASA ME).
CONTACT: Enrico Cusi, Pres.
**Industrial soy oil for paints.**

**DERIVADOS DE OLEAGINOSAS DEL VALLE S.A. DE C.V.**
**Affiliate of Molinos Union del Yaqui S.A. de C.V.**
Av. Miguel Aleman No. 703 Sur, Altos,
P.O. Box 356, Ciudad Obregon, Sonora 85000,
Ph. 5/641/52270; TLX. 552813 (MUY ME).
CONTACT: Ramon Rivera, Gen. Mgr.
**Industrial soy oil.**

**RAUL GARCIA Y CIA., S.A. DE C.V. (GRUPO RAGASA) ★**
MAIN OFFICE: Av. Ruiz Cortines 257 Pte.,
P.O. Box 45, Monterrey, Nuevo Leon 64000,
Ph. 01152/83/515700; TLX: 382648 (RAGA ME).
CONTACT: Enrique R. Garcia, Director
**Industrial soy oil for lubricants and soap.**

**INDUSTRIAL DE ALIMENTOS S.A. ★**
Poniente 146, No. 789, 02300 Mexico D.F.,
Ph. 905/567-4022.
CONTACT: Antonio Mouret, Sales Mgr.
**Industrial soy oil for paints.**

**LA POLAR, FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL S.A. DE C.V. ★**
Manuel Gonzalez No. 165, Col. Atlampa,
Mexico D.F. 06450, Ph. 90/5/583-4022;
TLX: 1772498 (POLA ME).
CONTACT: Diego Gutierrez, Production Mgr.
**Industrial soy oil.**

### NETHERLANDS

**CARGILL B.V. ★**
**Affiliate of Cargill, Inc., Minneapolis, MN, USA**
Coenhavenweg 2, Box 8074,
1013BL Amsterdam, Ph. 31/020/580-1911.
CONTACT: George Henni
**Industrial soy oil.**

### NORWAY

**A/S DENOFA OG LILLEBORG FABRIKER ★**
Sandakerveien 56, P.O. Box 4236, 0401 Oslo 4,
Ph. 47/02/220050; TLX: 71181.
CONTACT: H.P. Naes, Export Mgr
**Industrial soy oil for paints.**

### PORTUGAL

**PRODUTORA E REFINADORA DE OLEOS SARL (PRAZOL)**
**Affiliate of Fabricas Vasco da Gama, Matosinhos**
Rua Poeta Joao Ruiz, 1, 6000 Castelo Branco,
Ph. 351/72/21563 or 21549.
CONTACT: Domingos Silva
**Industrial soy oil for tanning.**

**PRODUTORA E REFINADORA DE OLEOS SARL (PRAZOL)**
**Affiliate of Fabricas Vasco da Gama, Matosinhos**
Av. Bernadino Machado-Formariz, P.O. Box 52,
4480 Vila do Conde, Ph. 351/52/620897;
TLX: 23838 (PRAVIC).
CONTACT: Vernando Cunha, Plant Mgr.
**Industrial soy oil for tanning.**

**SOCIEDADE NACIONAL DE SABOES LDA. ★**
Rua de Marvilla, 151, Apartado 2270,
1107 Lisbon, Ph. 351/01/381571 or 382005;
TLX: 18474 (SABOES P).
CONTACT: Armando G. Antunes
**Industrial soy oil for synthetic resins.**

### SPAIN

**OLEAGINOSAS ESPANOLAS S.A. (OESA) ★**
Puerto de Barcelona, Muelle del Contradique
s/n, P.O. Box 22270, 08004 Barcelona,
Ph. 34/3/318-8036;
TLX: 52612 or 50831 (OLEA E).
CONTACT: Jose Ferrer Berta
**Industrial soy oil.**

### SWITZERLAND

**SAIS ★**
**Affiliate of Unilever, N.V., Rotterdam**
MAIN OFFICE: Forrlibuckstrasse 10,
CH-8031, Zurich, Ph. 01/278/4211; TLX: 822752
(SAIS ZH).
CONTACT: Walter H. Heft;, Chrmn.
**Industrial soy oil.**

### THAILAND

**PATUM VEGETABLE OIL CO., LTD. ★**
MAIN OFFICE: 733/23 Charansanitwong Rd.,
Bangkok 10700, Ph. 424-1165 or 424-2168;
TLX: 82431 (PATUM TH).
CONTACT: Prakit Triyanond, Gen. Mgr.
**Industrial soy oil for canned tuna; alkyd resin for paints.**

**THANAKORN VEGETABLE OIL PRODUCTS CO. LTD. ★**
99 Soi Thanakorn, Phra Pradaeng Rd.,
P.O. Box 13-5, Bangkok 10130,
Ph. 66/2/425-8930; TLX: 84031 (TANAOIL TH).
**CONTACT:** Vibul Sarakitpricha, Mgr. Dir.
**Industrial soy oil for paints & varnishes.**

### TURKEY

**BAG YAGLARI SANAYI ve TICARET T.A.S. ★**
1520 Sokak No. 36, P.O. Box 15, Izmir,
Ph. 90/51/219180 or 255406;
TLX: 52221 (GOML).
**CONTACT:** Moris Ruso, Mgr. Dir.
**Industrial soy oil.**

**MARSA MARGARIN SANAYI A.S. ★**
**Affiliate of Haci Omer Sabanci Holding A.S.**
Doseme Mahallesi No. 4, P.O. Box 137,
Adana 01130, Ph. 90/711/15080; TLX: 62234
(MARG TR).
**CONTACT:** Aziz Koseoglu, Gen. Mgr.
**Industrial soy oil.**

**SUMERBANK SOYA SANAYII MUESSESESI**
P.K. 4, PTT Kod. No. 52001, Ordu,
Ph. 371/11363 or 11611; TLX: 74510.
**CONTACT:** Ibrahim Kilic, Dir.
**SUMERBANK industrial soy oil.**

### VENEZUELA

**CONSORCIO OLEAGINOSO PORTUGUESA (COPSA) ★**
Carretera Via Payara, Apartado 112, Acarigua,
Portuguesa 3301, Ph. 58/55/48488;
TLX: 55200 (COPOS).
**CONTACT:** Nelson Quijada, Gen. Mgr.
**Industrial soy oil for chemical uses.**

### YUGOSLAVIA

**KMETIJSKO ZIVILSKI KOMBINAT**
**Tozd Tavarna olja (OLJARICA)**
**Affiliate of Mercator, Ljubljana**
Britof 27, 64000 Kranj, Ph. 064/22771;
TLX: 34698 (OLJE KR YU).
**CONTACT:** Novak Milan
**Industrial soy oil for alkyd resins.**

## SOY STEROLS & TOCOPHEROLS

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
**CONTACT:** Joe Meyer
**Soy sterols and tocopherols.**

**DURKEE INDUSTRIAL FOODS CORP. ★**
925 Euclid Ave., Cleveland, OH 44115,
Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
**CONTACT:** C. E. Land, Jr. (216/344-8312)
**Soy sterols and tocopherols.**

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO). Other
plant at Fridley, MN.
**CONTACT:** Dave Schostag (507/345-2251)
**Soy sterols and tocopherols.**

**QUINCY SOYBEAN CO. ★**
Hwy. 20 S., P.O. Box 70, Helena, AR 72342,
Ph. 501/338-6481; TLX: 404421 (QCY
SOYBEAN). Main office: Quincy, IL.
**CONTACT:** Richard P. Schuering
**Soy sterols and tocopherols.**

**RICELAND FOODS, INC. ★**
MAIN OFFICE: 2120 S. Park Ave., P.O. Box 926,
Stuttgart, AR 72160, Ph. 501/673-5500;
TLX: 240064 (RLND UR); TWX: 910-720-6240
(ARK GRAIN CO).
**CONTACT:** L.H. Dodson
**Soy sterols and tocopherols.**

### BRAZIL

**INDUSTRIAS J.B. DUARTE S.A. ★**
MAIN OFFICE: Rua dos Patriotas, 1382,
P.O. Box 1002, Sao Paulo, SP, 04207,
Ph. 55/11/274-8211; TLX: 11-21226, 33172 or
36622 (IJBD BR).
**CONTACT:** Archimedes Jorge Cortellazzi
**Soy sterols and tocopherols.**

### CANADA

**MAPLE LEAF MONARCH CO. ★**
**Affiliate of Archer Daniels Midland Co.**
**Decatur, IL, USA**
5550 Maplewood Dr., P.O. Box 7128, Windsor,
Ont. N9C 3Z1, Ph. 519/966-2700;
TLX: 06-477887 (MLM ON).
**CONTACT:** Doug Miller
**Soy sterols and tocopherols.**

### FEDERAL REPUBLIC OF GERMANY

**OLWERKE NOURY & VAN DER LANDE GmbH ★**
Industriestrasse 10, P.O. Box 1520,
D-4240 Emmerich/Rhein, Ph. 02822/74341;
TLX: 8125203 (NVL D).
**CONTACT:** F. Kielman, Sales Mgr.
**Soy sterols and tocopherols.**

**O. & L. SELS ★**
Duesseldorfer Str. 99-101, P.O. Box 101348,
D-4040 Neuss/Rhein, Ph. 02101/27990;
TLX: 8517835 (SELS D).
**CONTACT:** Josef Kerres
**Soy sterols and tocopherols.**

### JAPAN

**HOHNEN OIL CO. LTD. ★**
MAIN OFFICE: Mitsui Life Insurance Bldg.,
2-3 Ohtemachi, 1-Chome, Chiyoda-ku, Tokyo
100, Ph. 03/211-6511; TLX: 222-3084 (HONEN J).
**CONTACT:** Masaru Okahana, Asst. Mgr., Raw
Materials Section.
**Soy sterols and tocopherols.**

**THE NISSHIN OIL MILLS, LTD. ★**
23-1, Shinkawa, 1-Chome, Chuo-ku, Tokyo 104,
Ph. 555-6605.
**CONTACT:** Takahisa Toyama
**Soy sterols and tocopherols.**

### NETHERLANDS

**CARGILL B.V. ★**
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
Coenhavenweg 2, P.O. Box 8074,
1013BL Amsterdam, Ph. 31/020/580-1911.
**CONTACT:** George Henni
**Soy sterols and tocopherols.**

### TAIWAN

**TAY SHAN ENTERPRISE CO. LTD. ★**
14th Floor, No. 178, Sec. 2, Nanking E. Rd.,
Taipei, Ph. 02/521-4152; TLX: 22863 (SUNRISE).
**CONTACT:** James T. Chan
**Soy sterols and tocopherols.**

## SOYBEAN FATTY ACIDS

### UNITED STATES

**AG PROCESSING INC ★**
MAIN OFFICE: 11235 Davenport St.,
Omaha, NE 68154, Ph. 402/334-8010;
TLX: 750447 (AGP OMA); TWX: 910-997-0390.
**CONTACT:** Joe Meyer
**Soybean fatty acids.**

**CAPITAL CITY PRODUCTS COMPANY ★**
525 W. 1st Ave., P.O. Box 569,
Columbus, OH 43216-0569, Ph. 614/299-3131;
TLX: 245494 (CAPCTY PRD COL).
**CONTACT:** Robert D. Recob or Russell T.
McIntyre
**Soybean fatty acids for paints and lecithin thinner.**

**DURKEE INDUSTRIAL FOODS CORP. ★**
925 Euclid Ave., Cleveland, OH 44115,
Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
**CONTACT:** C. E. Land, Jr. (216/344-8312)
**GMO soybean fatty acids.**

**EMERY CHEMICALS ★**
**Div. of National Distillers & Chemical Corp.**
11501 Northlake Dr., P.O. Box 429557,
Cincinnati, OH 45249, Ph. 513/530-7300.
**CONTACT:** Sales office, 800/543-7370 (US) or
800/582-7051 (OH)
**EMERY 315 linoleic acid; EMERY 610 and 618 soybean fatty acids.**

**HONEYMEAD PRODUCTS CO. ★**
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507/625-7911;
TLX: 290867 (HONEYMEAD MAKO).
Other plant at Fridley, MN.
**CONTACT:** Dave Schostag (507/345-2251)
**Soybean fatty acids.**

**QUINCY SOYBEAN CO. ★**
Hwy. 20 S., P.O. Box 70, Helena, AR 72342,
Ph. 501/338-6481; TLX: 404421 (QCY
SOYBEAN). Main office: Quincy, IL.
**CONTACT:** Richard P. Schuering
**Soybean fatty acids.**

**RICELAND FOODS, INC. ★**
MAIN OFFICE: 2120 S. Park Ave., P.O. Box 926,
Stuttgart, AR 72160, Ph. 501/673-5500;
TLX: 240064 (RLND UR); TWX: 910-720-6240
(ARK GRAIN CO).
**CONTACT:** L. H. Dodson
**Soybean fatty acids.**

### ARGENTINA

**MOLINOS RIO DE LA PLATA S.A.**
MAIN OFFICE: Paseo Colon 746,
Buenos Aires 1323, Ph. 54/111/30-8463,
30-8485, 33-3002 or 33-3003;
TLX: 22270 (MRPSA AR).
**CONTACT:** Juan D. Protto, Div. Mgr.
**Soybean fatty acids.**

### COLOMBIA

**GRASAS VEGETALES S.A. (GRAVETAL) ★**
Cra. 28, No. 37-79 Sabaneta, P.O. Box 80617,
Medellin, Ph. 57/4/288-0711;
TLX: 66797 (GVTAL CO).
**CONTACT:** Sergio Eusse
**Soybean fatty acids.**

### DENMARK

**DS INDUSTRIES ApS ★**
Islands Brygge, DK-2300 Copenhagen S,
Ph. 45/01/546600; TLX: 31313 (DASOY DK).
**CONTACT:** J.L. Larson
**Soybean fatty acids.**

### FEDERAL REPUBLIC OF GERMANY

**OLWERKE NOURY &**
**VAN DER LANDE GmbH ★**
Industriestrasse 10, P.O. Box 1520,
D-4240 Emmerich/Rhein, Ph. 02822/74341;
TLX: 8125203 (NVL D).
**CONTACT:** F. Kielman, Sales Mgr.
**Soybean fatty acids.**

**O. & L. SELS ★**
Duesseldorfer Str. 99-101, P.O. Box 101348,
D-4040 Neuss/Rhein, Ph. 02101/27990;
TLX: 8517835 (SELS D).
**CONTACT:** Josef Kerres
**Soybean fatty acids.**

**SOYA MAINZ GmbH & CO.**
**KOMMANDITGESELLSCHAFT ★**
Dammweg 2, P.O. Box 3767, 6500 Mainz,
Ph. 06131/80051; TLX: 4187761 (ASM D).
**CONTACT:** Dieter Berres
**Soybean fatty acids.**

### INDIA

**THE MALWA VANASPATTI &**
**CHEMICAL CO. LTD. ★**
Mohatta Nagar, Indore 452003, Ph. 23251;
TLX: 0735-228 (MVCC IN).
**CONTACT:** C.S. Radhakrishnan, Pres.
**Soybean fatty acids.**

### ITALY

**SOCIETA INTERNAZIONALE OLEARIA**
**S.p.A. (SIO)**
MAIN OFFICE: Via le Reiter, 130,
41100 Modena, Ph. 059/222571;
TLX: 510138 (SIO MO I).
**CONTACT:** Giancarlo Zelocchi, Mgr. Dir.
**Soybean fatty acids.**

### JAPAN

**NIKKA FATS & OILS CO., LTD. ★**
1-8-1, Kitahama, Nakamatsu-ku, Kitakyushu 808,
Ph. 093/761-2635.
**CONTACT:** S. Shirakawa, Plant Mgr.
**Soybean fatty acids.**

**TOYO OIL MILLS CO. INC. ★**
**Subsidiary of Ajinomoto Co. Inc., Tokyo**
230-ban, Shinminato, Chiba-shi 260,
Ph. 0472/41-1251.
**CONTACT:** Tasuku Oshima, Supt.
**Soybean fatty acids.**

### KOREA

**CHEIL SUGAR & CO. LTD. ★**
MAIN OFFICE: Dong Bang Main Bldg.,
17th Floor, 150, 2-ka, Taepyung-Ro, Chung-ku,
Seoul 100, Ph. 02/7518-514;
TLX: 29359 (CHESUCO K).
**CONTACT:** J.H. Kim, Gen. Mgr.
**Soybean fatty acids for making soap and cosmetics.**

**DONG BANG CORPORATION ★**
MAIN OFFICE: 2, 4-Ka, Yangpyong-dong,
Yungdungpo-ku, C.P.O. Box 3031, Seoul 150,
Ph. 82/02/676-9121; TLX: 27334 (DB CORP).
**CONTACT:** Jang Hong Yoo, Dir.
**Soybean fatty acids.**

### MEXICO

**DERIVADOS DE OLEAGINOSAS DEL**
**VALLE S.A. DE C.V.**
**Affiliate of Molinos Union del Yaqui**
**S.A. de C.V.**
Av. Miguel Aleman No. 703 Sur, Altos,
P.O. Box 356, Ciudad Obregon, Sonora 85000,
Ph. 5/641/52270; TLX: 552813 (MUY ME).
**CONTACT:** Ramon Rivera, Gen. Mgr.
**Soybean fatty acids.**

### NETHERLANDS

**CARGILL B.V. ★**
**Affiliate of Cargill, Inc.,**
**Minneapolis, MN, USA**
Coenhaven 2, P.O. Box 8074,
1013BL Amsterdam, Ph. 31/020/580-1911.
**CONTACT:** George Henni
**Soybean fatty acids.**

### NORWAY

**A/S DENOFA OG LILLEBORG FABRIKER ★**
Sandakerveien 56, P.O. Box 4236, 0401 Oslo 4,
Ph. 47/02/220050; TLX: 71181.
**CONTACT:** H.P. Naes, Export Mgr.
**Soybean fatty acids.**

### PORTUGAL

**PRODUTORA E REFINADORA DE OLEAS**
**SARL (PRAZOL)**
**Affiliate of Fabricas Vasco da Gama,**
**Matosinhos**
Av. Bernadino Machado-Formariz, P.O. Box 52,
4800 Vila du Conde, Ph. 351/52/620897;
TLX: 23838 (PRAVIC).
**CONTACT:** Fernando Cunha, Plant Mgr.
**Soybean fatty acids.**

### SWITZERLAND

**SAIS ★**
**Affiliate of Unilever N.V., Rotterdam**
MAIN OFFICE: Forrlibuckstrasse 10,
CH-8031, Zurich, Ph. 01/278-4211;
TLX: 822752 (SAIS ZH).
**CONTACT:** Walter H. Hefti, Chrmn.
**Soybean fatty acids.**

### THAILAND

**PATUM VEGETABLE OIL CO., LTD. ★**
MAIN OFFICE: 733/23 Charansanitwong Rd.,
Bangkok 10700, Ph. 424-1165 or 424-2168;
TLX: 82431 (PATUM TH).
**CONTACT:** Prakit Triyanond, Gen. Mgr.
**Soybean fatty acids.**

### YUGOSLAVIA

**KMETIJSKO ZIVILSKI KOMBINAT**
**Tozd Tavarna olja (OLJARICA)**
**Affiliate of Mercator, Ljubljana**
Britof 27, 64000 Kranj, Ph. 064/22771;
TLX: 34698 (OLJE KR YU).
**CONTACT:** Novak Milan
**Soybean fatty acids.**

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# Product Handling Equipment & Supplies

Addresses for these companies follow on page 136 .

### AIR CLASSIFIERS

- Agra Erectors Inc.
- Alpine American Corporation
- Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
- Buhler-Miag, Inc.
- J.R. Dykes Sales & Service, Inc.
- Forsbergs, Inc.
- Industrial Metal Products Co., Inc.
- Kice Industries, Inc.
- Machinery Supply, Inc.
- Mid-America Products, Inc.
- MikroPul Corporation
- Murray-Carver, Inc.
- Oliver Manufacturing Co., Inc.
- Prater Industries, Inc.
- Simon-Day Ltd. (Canada)
- Smico Manufacturing Corporation
- Sturtevant, Inc.
- Triple/S Dynamics, Inc.

### ASPIRATORS

- Agra Erectors Inc.
- Buhler-Miag, Inc.
- Carter Manufacturing Co., Inc.
- Codema, Inc.
- Cottor Plants Pvt. Ltd. (India)
- Crippen Mfg. Co., Inc.
- J.R. Dykes Sales & Service, Inc.
- Forsbergs, Inc.
- Frisbie Construction Co., Inc.
- Gustafson, Inc.
- S. Howes Company, Inc.
- Kice Industries, Inc.
- Machinery Supply, Inc.
- N. Hunt Moore & Associates, Inc.
- Murray-Carver, Inc.
- Thomas Robinson & Son PLC (England)
- Henry Simon Inc.
- Simon-Day Ltd. (Canada)
- Soya Technology Systems Ltd. (Singapore)
- Specialty Fabrication, Inc.
- Sturtevant, Inc.
- Triple/S Dynamics, Inc.

### BAGS & BAGGING EQUIPMENT

- Ag-Bag Corporation
- Agra Erectors Inc.
- Bonar Industries Inc.
- The Chantland Company, Div. of Douglas & Lomason Co.
- Chase Bag Co.
- J.R. Dykes Sales & Service, Inc.
- Dave Fischbein Company
- Greif Bros. Corp.
- The Hance Corporation
- S. Howes Company, Inc.
- I-Tung Machinery Industry Co., Ltd. (Taiwan)
- Langston Bag Company
- McCullough & Company
- MikroPul Corporation
- Pearson Industries, Inc.
- RBR Scales, Inc.
- Reliance Electric Co.
- Streeter Richardson Division, Mangood Corporation
- Valley Marketing
- Weigh Right Automatic Scale Company

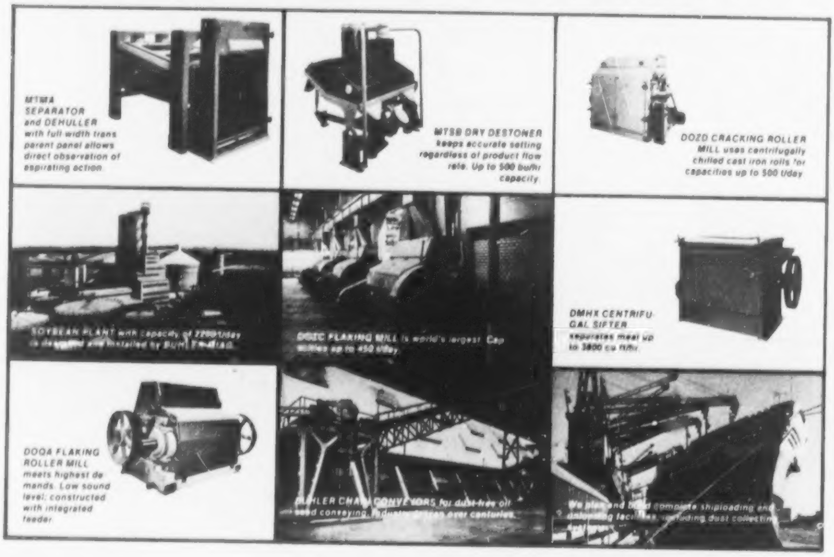
### CONVEYORS (Drag or en Masse)

- All Valley Industrial Supply
- Buhler-Miag, Inc.
- Divine Engineering, Inc.
- Electrical Engineering & Equipment Co.
- Huss & Schlieper, Inc.
- Newell Machinery Co., Inc.
- Tramco, Inc.

### DUST CONTROL SYSTEMS & SUPPLIES

- Agra Erectors Inc.
- Alpine American Corporation
- Andersen 2000 Inc.
- Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
- Bindicator
- Buhler-Miag, Inc.
- Carter Manufacturing Co., Inc.
- Codema, Inc.
- Conveying Techniques, Inc.
- Cottor Plants Pvt. Ltd. (India)
- J.R. Dykes Sales & Service, Inc.
- Frisbie Construction Co., Inc.
- Goodwin Engineering & Trading Inc. (Taiwan)
- I-Tung Machinery Industry Co., Ltd. (Taiwan)
- Industrial Metal Products Co., Inc.
- Kice Industries, Inc.
- Martin Sprocket & Gear, Inc.
- MikroPul Corporation
- Murray-Carver, Inc.
- Oliver Manufacturing Co., Inc.

# For efficient, reliable processing and handling...



MTMA SEPARATOR and DEHULLER with full width trans parent panel allows direct observation of aspirating action.

MTSB DRY DESTONER keeps accurate setting regardless of product flow rate. Up to 500 bu/hr capacity.

DOZD CRACKING ROLLER MILL uses centrifugally chilled cast iron rolls for capacities up to 500 t/day.

SOYBEAN PLANT with capacity of 2200 t/day is designed and installed by BUHLER-MIAG.

DOSC FLAKING MILL is world's largest. Capacities up to 450 t/day.

DMHX CENTRIFUGAL SIFTER separates meal up to 3800 cu ft/hr.

DOQA FLAKING ROLLER MILL meets highest demands. Low sound level; constructed with integrated feeder.

BUHLER CHAIN CONVEYORS for dust-free oil seed conveying. [illegible] over centuries.

We plan and build complete shiploading and unloading facilities, including dust collecting [illegible].

**Increase the profit potential in your preparation building with Buhler-Miag equipment and experience.**

Since 1927 Buhler-Miag has contributed significantly to the technology of grain and oilseed processing and handling. We offer our complete line of equipment for your preparation plant, from unloading of oilseeds to flaked product, as well as dust control systems and electrical control panels. Buhler-Miag can also assume responsibilities for process design, plant operational analysis, installation supervision and start-up services. We'll even help train your operators. Our representatives are available to increase your profit potential.

*WRITE FOR FREE BROCHURE on machines for edible oil mills equipment*

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Progressive Development Inc.
Rhino Sales Corporation
Thomas Robinson & Son PLC (England)
Siftex Equipment Company
Simon-Day Ltd. (Canada)
Soya Technology Systems Ltd. (Singapore)
Specialty Fabrication, Inc.
Steelcraft Corporation
Sullivan Strong Scott Ltd. (Canada)
H.R. Williams Mill Supply Company

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## INSTRUMENTS/ INSTRUMENT SYSTEMS

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### AUTOMATIC SAMPLERS

Conveying Techniques, Inc.
The Foxboro Company
Gustafson, Inc.
Nippon Yuryo Kentei Kyokai (Japan)
Seedburo Equipment Co.
Simon-Day Ltd. (Canada)
Waters Chromatography Division, Millipore Corporation

### CONTROL INSTRUMENTS AND/OR SYSTEMS

APV CREPACO, Inc.
Abrasion Engineering, Inc.
Bindicator
The Foxboro Company
Hardy Instruments
Honeywell Inc.
Milltronics, Inc.
Oxford Analytical Instruments Ltd. (England)
RBR Scales, Inc.
Reliance Electric
Streeter Richardson Division, Mangood Corporation
Westinghouse Electric Corporation

### FLOW MEASUREMENT INSTRUMENTS

Continental Agra Grain Equipment Inc.
Elliott Automation Company Inc.
ERDCO Engineering Corporation
The Foxboro Company
Milltronics, Inc.
Schlagel, Inc.
Streeter Richardson Division, Mangood Corporation
Westinghouse Electric Corporation

### GRAIN ANALYZERS

Alpine American Corporation
C.W. Brabender Instruments, Inc.
DICKEY-john Corporation
Neogen Corporation
Nippon Yuryo Kentei Kyokai (Japan)
Oxford Analytical Instruments Ltd. (England)
Pacific Scientific Company, Instrument Division
Technicon Industrial Systems
Trebor Industries, Inc.
Udy Corporation
Waters Chromatography Division, Millipore Corporation

### MATERIAL LEVEL INDICATORS

ASI Instruments, Inc.
Bindicator
Electronic Sensors, Inc.
Four-B Elevator Components Ltd.
The Foxboro Company
Goodwin Engineering & Trading Inc. (Taiwan)
Milltronics, Inc.
Seedburo Equipment Co.
Westinghouse Electric Corporation

### MOISTURE TESTERS

All Valley Industrial Supply
Anacon
C.W. Brabender Instruments, Inc.
Buhler-Miag, Inc.
DICKEY-john Corporation
Mid-America Products, Inc.
Pacific Scientific Company, Instrument Division
Seedburo Equipment Co.
Tecator Inc.
Technicon Industrial Systems
Trebor Industries, Inc.

### OIL/PROTEIN/FIBER ANALYZERS

Anacon
DICKEY-john Corporation
Nippon Yuryo Kentei Kyokai (Japan)
Pacific Scientific Company, Instrument Division
Henry Simon Inc.
Tecator Inc.
Trebor Industries, Inc.
Udy Corporation
Waters Chromatography Division, Millipore Corporation

### QUALITY CONTROL METAL DETECTION

Reliance Electric Co.

### TEMPERATURE MONITORS & SYSTEMS

All Valley Industrial Supply
Continental Agra Grain Equipment Inc.
FMC Corporation
The Foxboro Company
Honeywell Inc.
Mid-America Products, Inc.
Westinghouse Electric Corporation

### WARNING SYSTEMS

Continental Agra Grain Equipment Inc.
Four-B Elevator Components Ltd.
The Foxboro Company
Newell Machinery Co., Inc.
Reliance Electric Co.

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## LOADING & UNLOADING EQUIPMENT

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### BARGE

Agra Erectors Inc.
Agricultural Building Company
Baker-Rullman Mfg., Inc.
W.M. Barger & Associates, Inc.
Carl G. Brimmekamp & Co., Inc.
Buhler-Miag, Inc.
Codema, Inc.
Damman-Croes S.A. (Belgium)
Dravo Engineering Companies, Inc.
Feeco International, Inc.
Frisbie Construction Co., Inc.
The Hance Corporation
Neuero Corporation
The Rapat Corporation
Scandura Inc.
Stout Construction Co.
Tramco, Inc.
Younglove Construction Company

### RAILROAD

Agra Erectors Inc.
Agricultural Building Company

Baker-Rullman Mfg., Inc.
Buhler-Miag, Inc.
Carter Manufacturing Co., Inc.
The Chantland Company, Div. of Douglas & Lomason Co.
Codema, Inc.
Damman-Croes S.A. (Belgium)
Feeco International, Inc.
Foremost Machine Builders, Inc.
Frisbie Construction Co., Inc.
The Hance Corporation
Neuero Corporation
The Rapat Corporation
Scandura Inc.
Schlagel, Inc.
Stout Construction Co.
Union Tank Car Company
D.W. Witter, Inc.
Younglove Construction Company

### SHIP

Agra Erectors Inc.
Baker-Rullman Mfg., Inc.
W.M. Barger & Associates, Inc.
Carl G. Brimmekamp & Co., Inc.
Buhler-Miag, Inc.
Codema, Inc.
Damman-Croes S.A. (Belgium)
Dravo Engineering Companies, Inc.
Feeco International, Inc.
Neuero Corporation
The Rapat Corporation
Scandura Inc.
Stout Construction Co.
Tramco, Inc.
Younglove Construction Company

### TRUCK

Agra Erectors Inc.
Aricultural Building Company
Baker-Rullman Mfg., Inc.
Beard Industries, Inc.
Buhler-Miag, Inc.
Carter Manufacturing Co., Inc.
The Chantland Company, Div. of Douglas & Lomason Co.
Codema, Inc.
Damman-Croes S.A. (Belgium)
Feeco International, Inc.
Foremost Machine Builders, Inc.
Frisbie Construction Co., Inc.
The Hance Corporation
S. Howes Company, Inc.
Neuero Corporation
Phelps Industries, Inc.
The Rapat Corporation
Scandura Inc.
Schlagel, Inc.
Stout Construction Co.
Tramco, Inc.
D.W. Witter, Inc.
Younglove Construction Company

## SCALES

Agra Erectors Inc.
Buhler-Miag, Inc.
Cardinal Scale Manufacturing Company
Carter Manufacturing Co., Inc.
J.R. Dykes Sales & Service, Inc.
Electroscale Corporation
Fairbanks Weighing Division, Colt Industries
Foremost Machine Builders, Inc.
The Hance Corporation
Hardy Instruments
Heat and Control, Inc.
S. Howes Company, Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
McCullough & Company
Measurement Systems International
Milltronics, Inc.
Nippon Yuryo Kentei Kyokai (Japan)
RBR Scales, Inc.
Reliance Electric Co.
Seedburo Equipment Co.
Stout Construction Co.
Streeter Richardson Division, Mangood Corporation
Weigh Right Automatic Scale Company
Weigh-Tronix, Inc.
Westweigh Scale Co.
Younglove Construction Company

## SOYBEAN STORAGE EQUIPMENT & SUPPLIES

### BUILDINGS, FLAT STORAGE

Agra Erectors Inc.
Agricultural Building Company
Baker-Rullman Mfg., Inc.
Carter Manufacturing Co., Inc.
Chief Industries, Inc.
N.V. Extraction De Smet S.A. (Belgium)
Expertise, Inc.
Huss & Schlieper, Inc.
Industry General Corporation
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Meyer Agri Products, Inc.
Scandura Inc.
Stout Construction Co.

### ELEVATOR & SILO STORAGE

Ag-Bag Corporation
Agra Erectors Inc.
Agricultural Building Company
Baker-Rullman Mfg., Inc.
Berico Division, Behlen Mfg. Co.
Borton, Inc.
Carter Manufacturing Co., Inc.
Carter-Day Company
Chief Industries, Inc.
Clark Consulting Engineers
Continental Agra Grain Equipment Inc.
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Expertise, Inc.
Foremost Machine Builders, Inc.
Four-B Elevator Components Ltd.
Frisbie Construction Co., Inc.
Goodwin Engineering & Trading Inc. (Taiwan)
The Hance Corporation
Henke Machine Inc.
Huss & Schlieper, Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
T.E. Ibberson Company
Industry General Corporation
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Rhino Sales Corporation
Scandura Inc.
Smico Manufacturing Corporation
Soya Technology Systems Ltd. (Singapore)
Specialty Fabrication, Inc.
Stout Construction Co.
Takai Tofu & Soymilk Equipment Co. (Japan)
Troika Processes Pvt. Ltd. (India)
D.W. Witter, Inc.
Younglove Construction Company

# Soybean Processing Equipment & Supplies

Addresses for these companies follow on page 136 .

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## SOY OIL EXTRACTION EQUIPMENT & SUPPLIES

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### ANTI-CAKING AGENTS

Absorbent Clay Products, Inc.
American Colloid Company
Cottor Plants Pvt. Ltd. (India)
J.M. Huber Corp., Clay Division
Oil-Dri Corporation of America
H.C. Spinks Clay Co., Inc.

### COOKERS / EXTRUDERS / ROASTERS

Anderson International Corp.
W.M. Barger & Associates, Inc.
C.W. Brabender Instruments, Inc.
Ross Brian and Associates, Inc.
W.C. Cantrell Company
Cottor Plants Pvt. Ltd. (India)
Crown Iron Works Company
Damman-Croes S.A. (Belgium)
Day Mixing Company
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
EMI Corporation
Expertise, Inc.
French Oil Mill Machinery Company
Gem Grain Roaster Co.
Goodwin Engineering & Trading Inc. (Taiwan)
Groen Division, Dover Industries
Heat and Control, Inc.
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
C.A. Picard, Inc.
Schnupp's Grain Roasting, Inc.
Sprout-Bauer, Inc.
Ta Ti Hsing Machinery Co., Ltd. (Taiwan)
Troika Processes Pvt. Ltd. (India)
Wenger Manufacturing Inc.

### COOLERS, FLUIDIZED BED

W.M. Barger & Associates, Inc.
Ross Brian and Associates, Inc.
Buhler-Miag, Inc.
W.C. Cantrell Company
Cottor Plants Pvt. Ltd. (India)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
FMC Corporation
French Oil Mill Machinery Company
Hayes General Technology Co. Ltd. (Israel)
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
N. Hunt Moore & Associates, Inc.
Henry Simon Inc.

### DEHULLING EQUIPMENT

Alpine American Corporation
W.M. Barger & Associates, Inc.
Blount Industrial Products Group
Ross Brian and Associates, Inc.
Buhler-Miag, Inc.
W.C. Cantrell Company
Carter-Day Company
Champion Products, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Cottor Plants Pvt. Ltd. (India)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
EMI Corporation
Expertise, Inc.
French Oil Mill Machinery Company
Hayes General Technology Co. Ltd. (Israel)
Industrial Metal Products Co., Inc.
Kice Industries, Inc.
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Metal Products International, Inc.
N. Hunt Moore & Associates, Inc.
Murray-Carver, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Prater Industries, Inc.
Roskamp Manufacturing, Inc.
Simon-Day Ltd. (Canada)
Soya Technology Systems Ltd. (Singapore)
Sturtevant, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)

### DRYING & AERATION EQUIPMENT

#### Conditioners & Coolers

Anderson International Corp.
B.N.W. Industries
W.M. Barger & Associates. Inc.
W.C. Cantrell Company
Cottor Plants Pvt. Ltd. (India)
Damman-Croes S.A. (Belgium)
Davenport Machine & Foundry Co.
Dedert Corporation
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
French Oil Mill Machinery Company
Kice Industries, Inc.
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Mathews Company
N. Hunt Moore & Associates, Inc.
Plant Maintenance Service Corporation
Soya Technology Systems Ltd. (Singpore)
Superior Welding Company
Wenger Manufacturing Inc.

#### Grain Dryers

Aeroglide Corporation
Agra Erectors Inc.

Anderson International Corp.
B.N.W. Industries
W.M. Barger & Associates, Inc.
Beard Industries, Inc.
Berico Division, Behlen Mfg. Co.
C.W. Brabender Instruments, Inc.
Cottor Plants Pvt. Ltd. (India)
Davenport Machinery & Foundry Co.
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service, Inc.
FMC Corporation
Farm Fans, Inc.
A. Gusmer, Inc.
Kice Industries, Inc.
Machinery Supply, Inc.
Mathews Company
Meyer Agri Products, Inc.
Shanzer Grain Dryers
Shivvers Incorporated
Superior Welding Company
Zimmerman Equipment Company

### Meal Dryers

Anderson International Corp.
B.N.W. Industries
W.M. Barger & Associates, Inc.
W.C. Cantrell Company
Cottor Plants Pvt. Ltd. (India)
Crown Iron Works Company
Davenport Machine & Foundry Co.
N.V. Extraction De Smet S.A. (Belgium)
Dedert Corporation
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
French Oil Mill Machinery Company
A. Gusmer, Inc.
Lurgi GmbH (Fed. Rep. of Germany)
Machinary Supply, Inc.
N. Hunt Moore & Associates, Inc.
Plant Maintenance Service Corporation
Ponndorf Maschinenfabrik GmbH (Fed. Rep. of Germany)
Progressive Development Inc.
Superior Welding Company

## FLAKING & CRACKING EQUIPMENT

W. M. Barger & Associates, Inc.
C-E Bauer
Bauermeister, Inc.
Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
Blount Industrial Products Group
Carl G. Brimmekamp & Co., Inc.
Buhler-Miag, Inc.
W.C. Cantrell Company
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Creason Corrugating & Machinery Co. Inc.
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
EMI Corporation
Expertise, Inc.
French Oil Mill Machinery Company
S. Howes Company, Inc.
Industrial Metal Products, Co., Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Murray-Carver, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Prater Industries, Inc.
Roskamp Manufacturing, Inc.
Troika Processes Pvt. Ltd. (India)
Urschel Laboratories, Inc.
Witt Corrugating, Inc.

## MEAL HANDLING EQUIPMENT

### Hammer Mills

Agra Erectors Inc.
Alpine American Corporation
W.M. Barger & Associates, Inc.
Bean Machines, Inc.
Blount Industrial Products Group
Buhler-Miag, Inc.
Buss-Condux, Inc.
W.C. Cantrell Company
Champion Products, Inc.
Damman-Croes S.A. (Belgium)
Day Mixing Company
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Feeco International, Inc.
Goodwin Engineering & Trading Inc. (Taiwan)
Jacobson Machine Works, Inc.
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
MikroPul Corporation
N. Hunt Moore & Associates, Inc.
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Sprout-Bauer, Inc.
Sturtevant, Inc.
Sullivan Strong Scott Ltd. (Canada)
Troika Processes Pvt. Ltd. (India)

### Mixing Equipment (Dry)

APV CREPACO, Inc.
Action Engineering Inc.
Agra Erectors Inc.
Alpine American Corporation
W.M. Barger & Associates, Inc.
Blount Industrial Products Group
C.W. Brabender Instruments, Inc.
Buhler-Miag, Inc.
Damman-Croes S.A. (Belgium)
Day Mixing Company
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Feeco International, Inc.
Foremost Machine Builders, Inc.
Goodwin Engineering & Trading Inc. (Taiwan)
Hayes & Stolz Industrial Mfg. Co., Inc.
S. Howes Company, Inc.
Machinery Supply, Inc.
MikroPul Corporation
Mixing Equipment Company, Unit of General Signal
Prater Industries, Inc.
Quadro Engineering, Inc. (Canada)
Rhino Sales Corporation
Siftex Equipment Company
Sprout-Bauer, Inc.
Sullivan Strong Scott Ltd. (Canada)
Troika Processes Pvt. Ltd. (India)
Wenger Manufacturing Inc.

### Pelleting Equipment

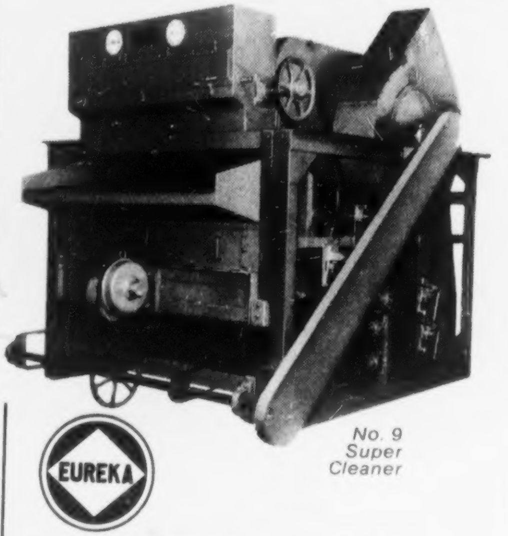
Agra Erectors Inc.
Alpine American Corporation
Blount Industrial Products Group
C.W. Brabender Instruments, Inc.
Buhler-Miag, Inc.
California Pellet Mill Company
Damman-Croes S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Feeco International, Inc.
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc. (Taiwan)
S. Howes Company, Inc.
Machinery Supply, Inc.
Henry Simon Inc.
Sprout-Bauer, Inc.
Sullivan Strong Scott Ltd. (Canada)
Troika Processes Pvt. Ltd. (India)

### Pulverizing Equipment

Agra Erectors Inc.
Alpine American Corporation
W. M. Barger & Associates, Inc.
Bauermeister, Inc.
Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
Blount Industrial Products Group
Buhler-Miag, Inc.
Buss-Condux, Inc.
Champion Products, Inc.
Damman-Croes S.A. (Belgium)
Day Mixing Company
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Hayes General Technology Co. Ltd. (Israel)
Jacobson Machine Works, Inc.
Machinery Supply, Inc.
Matsuzaka Company (America), Inc.
MikroPul Corporation
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Sprout-Bauer, Inc.
Sturtevant, Inc.
Sullivan Strong Scott Ltd. (Canada)
Troika Processes Pvt. Ltd. (India)
Urschel Laboratories, Inc.

### MILLING EQUIPMENT SUPPLIES, SPARE PARTS & REPAIR

Alpine American Corporation
Anderson International Corp.
W.M. Barger & Associates, Inc.
Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
Blount Industrial Products Group
Carl G. Brimmekamp & Co., Inc.
Buhler-Miag, Inc.
W.C. Cantrell Company
Carter Manufacturing Co., Inc.
Carter-Day Company
Codema, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Creason Corrugating & Machine Co., Inc.
J.R. Dykes Sales & Service, Inc.
Expertise, Inc.
French Oil Mill Machinery Company
The Hance Corporation
Hayes General Technology Co. Ltd. (Israel)
Jacobson Machine Works, Inc.



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C.A. Picard, Inc.
Platt Enterprises Inc.
Prater Industries, Inc.
SHW, Inc.
Henry Simon Inc.
Simon-Day Ltd. (Canada)
Sprout-Bauer, Inc.
Sturtevant, Inc.
Todd & Sargent, Inc.
Troika Processes Pvt. Ltd. (India)
Urschel Laboratories, Inc.
H. R. Williams Mill Supply Company
Winsett Engineering, Inc.
Witt Corrugating, Inc.

## PRESSES

### Continuous Screw

Anderson International Corp.
W.C. Cantrell Company
Crown Iron Works Company
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
French Oil Mill Machinery Company
A. Gusmer, Inc.
Hayes General Technology Co. Ltd. (Israel)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Liquid Extraction Systems, Inc.
Machinery Supply, Inc.
Maschinenfabrik Reinartz GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
IBG Monforts & Reiners GmbH & Co. (Fed. Rep. of Germany)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
C.A. Picard, Inc.
Ponndorf Maschinenfabrik GmbH (Fed. Rep. of Germany)
Simon-Rosedowns Ltd. (England)
Sprout-Bauer, Inc.
Ta Ti Machinery Co., Ltd. (Taiwan)
Troika Processes Pvt. Ltd. (India)

### Hydraulic

Kawanishi Shoko Co., Ltd.
Machinery Supply, Inc.
Ta Ti Hsing Machinery Co., Ltd. (Taiwan)
Troika Processes Pvt. Ltd. (India)

## SCREENERS & SCREENING EQUIPMENT

Alpine American Corporation
Anderson International Corp.
W.M. Barger & Associates, Inc.
C-E Bauer
Buhler-Miag, Inc.
W.C. Cantrell Company
Carter-Day Company
Champion Products, Inc.
Codema, Inc.
Continental Agra Grain Equipment Inc.
Cottor Plants Pvt. Ltd. (India)
Crippen Mfg. Co., Inc.
Damman-Croes S.A. (Belgium)
Divine Engineering, Inc.
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Expertise, Inc.
FMC Corporation
Forsbergs, Inc.
The Hance Corporation
Hayes & Stolz Industrial Mfg. Co., Inc.
Hayes General Technology Co. Ltd. (Israel)
S. Howes Company, Inc.
Liquid Extraction Systems Inc.
Machinery Supply, Inc.
Matsuzaka Company (America), Inc.
N. Hunt Moore & Associates, Inc.
Murray-Carver, Inc.
Oliver Manufacturing Co., Inc.
Pearson Industries, Inc.
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Rotex Inc.
Siftex Equipment Company
Henry Simon Inc.
Simon-Day Ltd. (Canada)
Smico Manufacturing Corporation
Soya Technology Systems Ltd. (Singapore)
Sprout-Bauer, Inc.
Sullivan Strong Scott Ltd. (Canada)
SWECO, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company

## SOLVENT EXTRACTION EQUIPMENT

APV CREPACO, Inc.
W.M. Barger & Associates, Inc.
Ross Brian and Associates, Inc.
CAMECO Industries, Honiron Division
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Crown Iron Works Company
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dravo Engineering Companies, Inc.
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Hayes General Technology Co. Ltd. (Israel)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Liquid Extraction Systems, Inc.
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Myers Engineers, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Simon-Rosedowns Ltd. (England)
Superior Welding Company
Troika Processes Pvt. Ltd. (India)

## SOLVENTS

Arrowhead Marketing Services
Basic Products Group, Inc.
Drake Petroleum Company
Eastman Chemical Products, Inc.
Masiero Industrial S.A. (Brazil)
Phillips 66 Company

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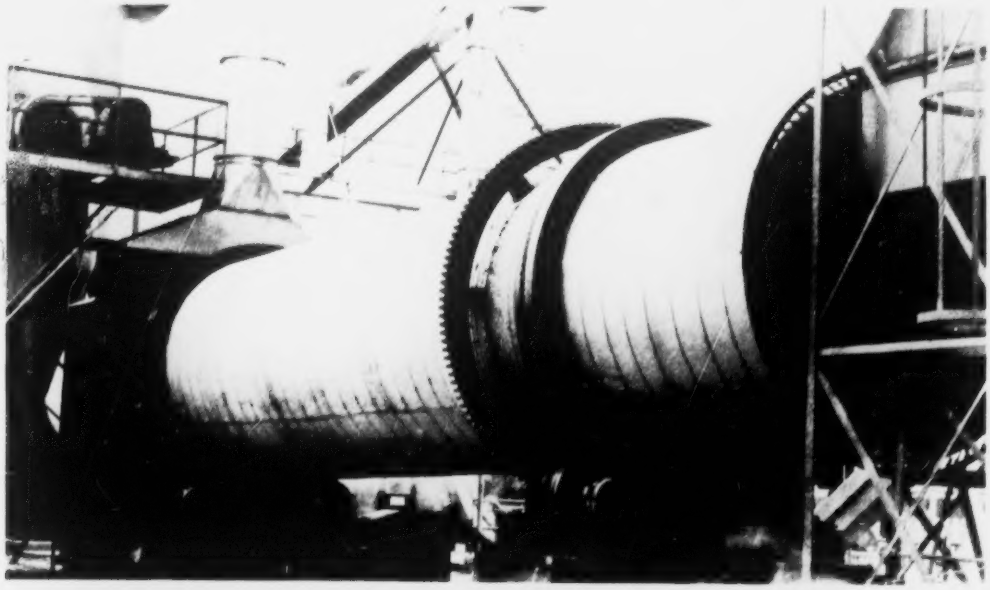

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## SOLVENT RECOVERY EQUIPMENT & SUPPLIES

### CONDENSERS

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- Ross Brian and Associates, Inc.
- CAMECO Industries, Honiron Division
- Crown Iron Works Company
- Damman-Croes S.A. (Belgium)
- N.V. Extraction De Smet S.A. (Belgium)
- Dedert Corporation
- Do-Well Oil Plants Pvt. Ltd. (India)
- Dravo Engineering Companies, Inc.
- DuMond Company, Inc.
- EMI Corporation
- Expertise, Inc.
- Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
- French Oil Mill Machinery Company
- H.L.S. Ltd. (Israel)
- Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
- Lurgi GmbH (Fed. Rep. of Germany)
- Machinery Supply, Inc.
- Masiero Industrial S.A. (Brazil)
- Myers Engineers, Inc.
- Gebr. Paschedag GmbH (Fed. Rep. of Germany)
- Plant Maintenance Service Corporation
- Simon-Rosedowns Ltd. (England)
- Superior Welding Company
- Troika Processes Pvt. Ltd. (India)
- Wurster & Sanger, Inc.

### FLAKE DESOLVENTIZERS

#### Flash/Vapor

- W.M. Barger & Associates, Inc.
- Ross Brian and Associates, Inc.
- Damman-Croes S.A. (Belgium)
- N.V. Extraction De Smet S.A. (Belgium)
- Dravo Engineering Companies, Inc.
- EMI Corporation
- Expertise, Inc.
- Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
- French Oil Mill Machinery Company
- H.L.S. Ltd. (Israel)
- Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
- Lurgi GmbH (Fed. Rep. of Germany)
- Machinery Supply, Inc.
- Masiero Industrial S.A. (Brazil)
- Plant Maintenance Service Corporation
- Troika Processes Pvt. Ltd. (India)
- Wurster & Sanger, Inc.

#### Normal DT

- W.M. Barger & Associates, Inc.
- Ross Brian and Associates, Inc.
- CAMECO Industries, Honiron Division
- Crown Iron Works Company
- Damman-Croes S.A. (Belgium)
- Do-Well Oil Plants Pvt. Ltd. (India)
- Dravo Engineering Companies, Inc.
- DuMond Company, Inc.
- EMI Corporation
- Expertise, Inc.
- Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
- French Oil Mill Machinery Company
- H.L.S. Ltd. (Israel)
- Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
- Lurgi GmbH (Fed. Rep. of Germany)
- Machinery Supply, Inc.
- Masiero Industrial S.A. (Brazil)
- Plant Maintenance Service Corporation
- Simon-Rosedowns Ltd. (England)
- Superior Welding Company
- Troika Processes Pvt. Ltd. (India)
- Wurster & Sanger, Inc.

### SOLVENT EXTRACTION DISTILLATION EQUIPMENT

- APV CREPACO, Inc.
- W.M. Barger & Associates, Inc.
- Ross Brian and Associates, Inc.
- CAMECO Industries, Honiron Division
- Crown Iron Works Company
- Damman-Croes S.A. (Belgium)
- N.V. Extraction De Smet S.A. (Belgium)
- Do-Well Oil Plants Pvt. Ltd. (India)
- Dravo Engineering Companies, Inc.
- DuMond Company, Inc.
- EMI Corporation
- Expertise, Inc.
- Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
- French Oil Mill Machinery Company
- H.L.S. Ltd. (Israel)
- Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
- Lurgi GmbH (Fed. Rep. of Germany)
- Machinery Supply, Inc.
- Masiero Industrial S.A. (Brazil)
- Matsuzaka Company (America), Inc.
- N. Hunt Moore & Associates, Inc.
- Myers Engineers, Inc.
- Plant Maintenance Service Corporation
- Simon-Rosedowns Ltd. (England)
- Superior Welding Company
- Tecator Inc.
- Troika Processes Pvt. Ltd. (India)
- Wurster & Sanger, Inc.

### SOLVENT VAPOR DETECTION & CONTROL EQUIPMENT

- Damman-Croes S.A. (Belgium)
- DuMond Company, Inc.
- ERDCO Engineering Corporation
- Expertise, Inc.
- The Foxboro Company
- Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
- Simon-Rosedowns Ltd. (England)

## REFINING EQUIPMENT & SUPPLIES

### AGITATORS (Liquid Mixing Equipment)

- APV CREPACO, Inc.
- Action Engineering Inc.
- W.M. Barger & Associates, Inc.
- Damman-Croes S.A. (Belgium)
- Do-Well Oil Plants Pvt. Ltd. (India)
- Dontech, Inc.
- S.A. Fractionnement Tirtiaux (Belgium)

Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Machinery Supply, Inc.
Mixing Equipment Company, Unit of General Signal
Prochem Mixing Equipment Ltd. (Canada)
Quadro Engineering Inc. (Canada)
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

### BLEACHING & FILTERING EQUIPMENT

APV CREPACO, Inc.
Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Cottor Plants Pvt. Ltd. (India)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
S.A. Fractionnement Tirtiaux (Belgium)
French Oil Mill Machinery Company
Hayes General Technology Co. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Myers Engineers, Inc.
Neumunz, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Votator Division, Cherry-Burrell
Wurster & Sanger, Inc.

### BLEACHING CLAYS/EARTHS

Absorbent Clay Products, Inc.
American Colloid Company
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Harshaw/Filtrol Partnership
Oil-Dry Corporation of America
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
L.A. Salomon, Inc.
Simon-Rosedowns Ltd. (England)
Sud-Chemie AG (Fed. Rep. of Germany)
United Catalysts Inc.

### LIQUID STORAGE TANKS

N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dravo Engineering Companies, Inc.
DuMond Company, Inc.
H.L.S. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Neumunz, Inc.
Plant Maintenance Service Corporation
Simon-Rosedowns Ltd. (England)
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

### DEGUMMING EQUIPMENT

Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Ross Brian and Associates, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dravo Engineering Companies, Inc.
DuMond Company, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
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Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
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Masiero Industrial S.A. (Brazil)
Myers Engineers, Inc.
Neumunz, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)
Wurster & Sanger, Inc.

### DEODORIZATION EQUIPMENT

APV CREPACO, Inc.
Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Cottor Plants Pvt. Ltd. (India)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
DuMond Company, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
S.A. Fractionnement Tirtiaux (Belgium)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
N. Hunt Moore & Associates, Inc.
Myers Engineers, Inc.
Neumunz, Inc.
Plant Maintenance Service Corporation
Simon-Rosedowns Ltd. (England)
Soya Technology Systems Ltd. (Singapore)
Troika Processes Pvt. Ltd. (India)
Votator Division, Cherry-Burrell
Wurster & Sanger, Inc.

### FAT SPLITTERS

APV CREPACO, Inc.
Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineering Companies, Inc.
EMI Corporation
H.L.S. Ltd. (Israel)
Lurgi GmbH (Fed. Rep. of Germany)
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

### FATTY ACID DISTILLATION EQUIPMENT

APV CREPACO, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineering Companies, Inc.
EMI Corporation
Expertise, Inc.
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Meitar Aparatos S.A. (Argentina)
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

### FILTER PRESSES

Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Cottor Plants Pvt. Ltd. (India)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
DuMond Company, Inc.
Expertise, Inc.
S.A. Fractionnement Tirtiaux (Belgium)
A. Gusmer, Inc.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Liquid Extraction Systems, Inc.
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Meitar Aparatos S.A. (Argentina)
Myers Engineers, Inc.
Neumunz, Inc.
Star Systems Division
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

### HEAT EXCHANGERS

APV CREPACO, Inc.
Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Ross Brian and Associates, Inc.
CAMECO Industries, Honiron Division
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dedert Corporation
Do-Well Oil Plants Pvt. Ltd. (India)
Dravo Engineering Companies, Inc.
DuMond Company, Inc.
Expertise, Inc.
S.A. Fractionnement Tirtiaux (Belgium)
Heat and Control, Inc.
Len E. Ivarson, Inc.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Meitar Aparatos S.A. (Argentina)
Myers Engineers, Inc.
Neumunz, Inc.
Plant Maintenance Service Corporation
Soya Technology Systems Ltd. (Singapore)
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

### HYDROGEN GENERATION EQUIPMENT

Alfa-Laval Food Engineering AB (Sweden)
Davy Bamag GmbH (Fed. Rep of Germany)
Do-Well Oil Plants Pvt. Ltd. (India)
The Electrolyser Corporation Ltd. (Canada)
Expertise, Inc.
Haldor Topsoe A/S (Denmark)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Neumunz, Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

### HYDROGENATION CATALYSTS

N.V. Extraction De Smet S.A. (Belgium)
Harshaw/Filtrol Partnership
Mallinckrodt, Inc. Calsicat Division
Sud-Chemie AG (Fed. Rep. of Germany)
United Catalysts Inc.

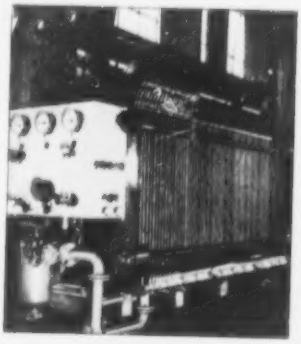
### HYDROGENATION EQUIPMENT

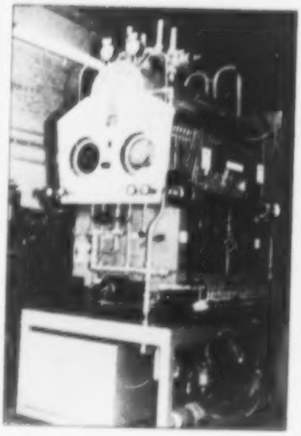
Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineering Companies, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Neumunz, Inc.
Prochem Mixing Equipment Ltd. (Canada)
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Votator Division, Cherry-Burrell
Wurster & Sanger, Inc.

### OIL DRYERS

Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.

Hydrogen Production





20 years of experience with activated electrodes for electrolytic production of high-purity hydrogen and oxygen from water guarantee utmost efficiency, economy and reliability of the Davy Bamag electrolyzer units.

More than 250 electrolyzers sized for hourly unit capacities from 3 to 340 $Nm^3$ $H_2$ and equipped with our specially activated electrodes are presently in operation all over the world.

Mean energy savings realized at these plants are 0.4 kWh per $Nm^3$ of hydrogen.

Please ask for further information.

**Our activities:**
Hydrogen generation by water electrolysis
High-temperature generators
Potable and service water production
Boiler feed-water and process water conditioning
Effluent water treatment
Waste air purification
Solvent recovery

**Our Services:**
Design, Engineering, Procurement, Construction, Commissioning, Plant modernization.

**Davy**
A Davy Corporation company

Davy Bamag GmbH

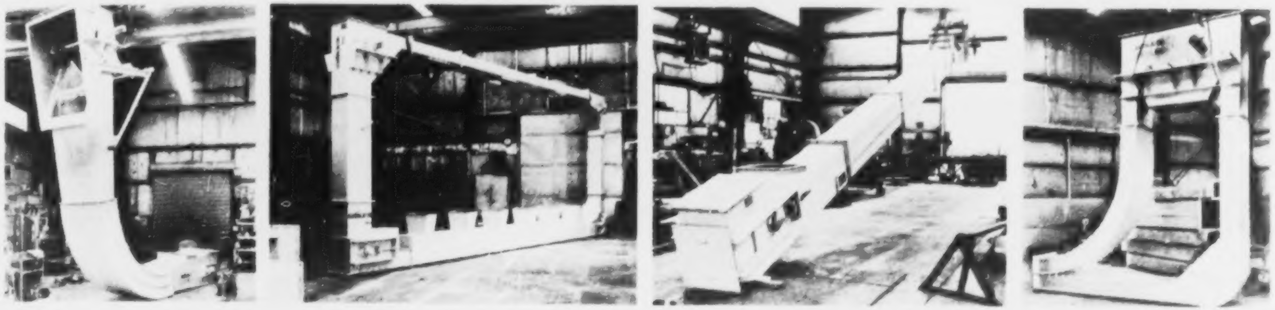
P.O.Box 460 · D-6308 Butzbach/F.R.G. · Telephone: 8 31 · Telex 4 184 478

# DIVINALATORS

## EN MASSE CONVEYORS

CONVEYOR, FEEDER, ELEVATOR, OR COMBINATION
POSITIVE — MANY PATHS
VAPOR, LIQUID, OR DUST TIGHT

MODIFIED TO SUIT ANY INSTALLATION, FIELD PROVEN OVER 30 YEARS



**DIVINE ENGINEERING, INC.**

5440 6th St. SW, P. O. Box 1345
CEDAR RAPIDS, IOWA 52406
319—365-0564

Jared S. Hills

Ross Brian and Associates, Inc.
Cottor Plants Pvt. Ltd. (India)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineering Companies, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
S.A. Fractionnement Tirtaux (Belgium)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Neumunz, Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

## REFINING/ NEUTRALIZATION EQUIPMENT & SUPPLIES

### Conventional Caustic

Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
S.A. Fractionnement Tirtaux (Belgium)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Myers Engineers, Inc.
Neumunz, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)
Wurster & Sanger, Inc.

### Caustic/Alkali Suppliers

N.V. Extraction De Smet S.A. (Belgium)
Expertise, Inc.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)

### Physical

Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
S.A. Fractionnement Tirtiaux (Belgium)
H.L.S. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Neumunz, Inc.
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

## SOAPSTOCK EQUIPMENT

Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Myers Engineers, Inc.
Neumunz, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Plant Maintenance Service Corporation
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

## WINTERIZATION EQUIPMENT

Alfa-Laval Food Engineering AB (Sweden)
W.M. Barger & Associates, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
S.A. Fractionnement Tirtiaux (Belgium)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Masiero Industrial S.A. (Brazil)
Myers Engineers, Inc.
Neumunz, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Plant Maintenance Service Corporation
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)
Wurster & Sanger, Inc.

## EDIBLE SOYBEAN OIL PRODUCT EQUIPMENT & SUPPLIES

### ANTIOXIDANTS

Atomergic Chemetals Corporation
Eastman Chemical Products, Inc.
UOP Inc., Biological and Food Products

### EMULSIFIERS

Atomergic Chemetals Corporation
Eastman Chemical Products, Inc.

### MARGARINE EQUIPMENT

APV CREPACO, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
N.V. Extraction De Smet S.A. (Belgium)
DuMond Company, Inc.
EMI Corporation
Groen Division, Dover Industries
H.L.S. Ltd. (Israel)
Len E. Ivarson, Inc.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Machinery Supply, Inc.
Meitar Aparatos S.A. (Argentina)
Neumunz, Inc.
Troika Processes Pvt. Ltd. (India)
Votator Division, Cherry-Burrell
Wurster & Sanger, Inc.

### NITROGEN PROTECTION SYSTEMS

Neumunz, Inc.

### SHORTENING EQUIPMENT

APV CREPACO, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
N.V. Extraction De Smet S.A. (Belgium)
DuMond Company, Inc.
EMI Corporation
Groen Division, Dover Industries
H.L.S. Ltd. (Israel)
Len E. Ivarson, Inc.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Machinery Supply, Inc.
Meitar Aparatos S.A. (Argentina)
Neumunz, Inc.
Votator Division, Cherry-Burrell
Wurster & Sanger, Inc.

### SOYMILK & TOFU EQUIPMENT & SYSTEMS

APV CREPACO, Inc.
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
Groen Division, Dover Industries
Kawanishi Shoko Co., Ltd.
Meitar Aparatos S.A. (Argentina)
Prosoya Foods International Inc. (Canada)
Quadro Engineering Inc. (Canada)
Soy Food Centre (India)
Soya Technology Systems Ltd. (Singapore)
Ta Ti Hsing Machinery Co., Ltd. (Taiwan)
Takai Tofu & Soymilk Equipment Co. (Japan)
Westfalia Separator AG (Fed. Rep. of Germany)

### SOY PROTEIN EQUIPMENT & SUPPLIES

Ross Brian and Associates, Inc.
EMI Corporation
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Hayes General Technology Co. Ltd. (Israel)
Machinery Supply, Inc.
Plant Maintenance Service Corporation
Prosoya Foods International Inc. (Canada)
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)

## MISCELLANEOUS

### CLEANING/SANITIZING EQUIPMENT & SUPPLIES

APV CREPACO, Inc.
Carter Manufacturing Co., Inc.
Cottor Plants Pvt. Ltd. (India)
Dontech, Inc.
J.R. Dykes Sales & Service, Inc.
Soya Technology Systems Ltd. (Singapore)
Sullivan Strong Scott Ltd. (Canada)

### USED EQUIPMENT

Agra Erectors Inc.
Anderson International Corp.
W.M. Barger & Associates, Inc.
W.C. Cantrell Company
Carter Manufacturing Co., Inc.
Continental Agra Grain Equipment Inc.
DuMond Company, Inc.
J.R. Dykes Sales & Service, Inc.
Expertise, Inc.
French Oil Mill Machinery Company
Machinery Supply, Inc.
Witt Corrugating, Inc.
Yorktown Machinery & Salvage Co., Inc.

### WASTE WATER TREATMENT EQUIPMENT

Action Engineering Inc.
C-E Bauer
Dontech, Inc.
Dravo Engineering Companies, Inc.
J.R. Dykes Sales & Service, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
FMC Corporation
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Liquid Extraction Systems, Inc.
Lurgi GmbH (Fed. Rep. of Germany)
Mixing Equipment Company, Unit of General Signal
Plant Maintenance Service Corporation
Prochem Mixing Equipment Ltd. (Canada)
Sprout-Bauer, Inc.
Tecator Inc.
Tenco Laboratories
Water Reclamation Inc.

# Manufacturing Services

Addresses for these companies follow on page 136 .

## ANALYTICAL LABORATORIES

ADI International, Inc. (Canada)
Alpine American Corporation
Associated Laboratories
Charles V. Bacon Inc.
Barrow Agee Laboratories Inc.
Chem-Staat Laboratories, Inc.
Curtis & Tompkins, Ltd.
N.V. Extraction De Smet S.A. (Belgium)
Fox Testing Laboratories Inc.
Geo-Chem Laboratories Pvt. Ltd. (India)
Hahn Laboratories
Industrial Laboratories
Ingman Laboratories, Inc.
Iowa Testing Laboratories, Inc.
Jennings Laboratories Inc.
K-Testing Laboratory, Inc.
Laboratorium Oleotest (Belgium)
LaMura Laboratories, Inc.
Laucks Testing Laboratories Inc.
Law & Company
Mid-Continent Laboratories, Inc.
Neogen Corporation
New Jersey Feed Laboratory, Inc.
Nippon Yuryo Kentei Kyokai (Japan)
POS Pilot Plant Corporation (Canada)
Pattison's Laboratories, Inc.
Pope Testing Laboratories, Inc.
SGS Control Services Inc.
Southern Testing and Research Laboratories, Inc.
Southwell Laboratory, Inc.
Tenco Laboratories
Thionville Laboratories, Inc.
The Twining Laboratories, Inc.
Woodson-Tenent Laboratories, Inc.

## COMPUTER PROCESS CONTROL

### HARDWARE

The Core Team
Dravo Engineering Companies, Inc.
Elliott Automation Company Inc.
The Foxboro Company
Greenway Electric Inc.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Westinghouse Electric Corporation
Winsett Engineering, Inc.

### SOFTWARE

Control Enterprises, Inc.
The Core Team
Dravo Engineering Companies, Inc.
Elliott Automation Company Inc.
The Foxboro Company
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Lembeck Associates, Inc.
Westinghouse Electric Corporation
Winsett Engineering, Inc.
Woodson-Tenent Laboratories, Inc.

### PROGRAMMING

Control Enterprises, Inc.
Dravo Engineering Companies, Inc.
Elliott Automation Company Inc.
The Foxboro Company
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Lembeck Associates, Inc.
Westinghouse Electric Corporation

## CONSTRUCTION CONTRACTORS

### COMPLETE PLANTS

APV CREPACO, Inc.
Agra Erectors Inc.
Agricultural Building Company
Allison Construction, Inc.
Alpine American Corporation
The Austin Company, Process Division
Borton, Inc.
Ross Brian and Associates, Inc.
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dravo Engineering Companies, Inc.
EMI Corporation
French Oil Mill Machinery Company
Grain Facility Design, Inc.
Greenway Electric Inc.
Hayes General Technology Co. Ltd. (Israel)
T.E. Ibberson Company
Industry General Corporation
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Meitar Aparatos S.A. (Argentina)
NCI of Minnesota, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)

Plant Maintenance Service Corporation
Platt Enterprises Inc.
Soy Food Centre (India)
Soya Technology Systems Ltd. (Singapore)
Soypro International, Inc.
Sprout-Bauer, Inc.
Stout Construction Co.
Takai Tofu & Soymilk Equipment Co. (Japan)
Todd & Sargent, Inc.
Troika Processes Pvt. Ltd. (India)
Winsett Engineering, Inc.
D.W. Witter, Inc.
Wurster & Sanger, Inc.
Younglove Construction Company

### PROTEIN PLANTS

Alpine American Corporation
Ross Brian and Associates, Inc.
N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineering Companies, Inc.
EMI Corporation
Hayes General Technology Co. Ltd. (Israel)
Industry General Corporation
NCI of Minnesota, Inc.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Soypro International, Inc.
Westfalia Separator AG (Fed. Rep. of Germany)

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## CONSULTANTS

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### EQUIPMENT

ADI International, Inc. (Canada)
APV CREPACO, Inc.
Agra Erectors Inc.
Agricultural Building Company
Alpine American Corporation
Baker-Rullman Mfg., Inc.
W.M. Barger & Associates, Inc.
C-E Bauer
Bean Machines, Inc.
Ken Becker Associates, Inc.
Ross Brian and Associates, Inc.
The Cambrian Engineering Group Ltd. (Canada)
Carter Manufacturing Co., Inc.
The Core Team
Cottor Plants Pvt. Ltd. (India)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
Dravo Engineering Companies, Inc.
J.R. Dykes Sales & Service, Inc.
EMI Corporation
EPE Incorporated
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
Food Ingredients (Minnesota) Inc.
French Oil Mill Machinery Company
A. Gusmer, Inc.
H.L.S. Ltd. (Israel)
Hayes General Technology Co. Ltd. (Israel)
Heat and Control, Inc.
T.E. Ibberson Company
Peter Kalustian Associates, Inc.
Lembeck Associates, Inc.
Murray-Carver, Inc.
Myers Engineers, Inc.
NCI of Minnesota, Inc.
Newell Machinery Co., Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)
Oxford Analytical Instruments Ltd. (England)
Prater Industries, Inc.
Prosoya Foods International Inc. (Canada)

**ELECTRICAL DESIGN ENGINEERING FOR PROCESSING PLANTS**

Greenway Electric, Inc.

**ELECTRICAL**

- CONSTRUCTION
- PARTS AND SERVICE FOR MOTOR CONTROLLERS

**GREENWAY ELECTRIC, INC.**
**316-263-6189**

GCS
CONTROL SYSTEMS

**CUSTOM CONTROL PANELS**

- CONTROL SYSTEMS FOR AUTOMATIC PROCESSING
- ENERGY MANAGEMENT

**GCS CONTROL SYSTEMS**
**316-263-9857**

**1424 N. MOSLEY • WICHITA, KANSAS 67214**

Dennis E. Roby & Associates Inc.
Schipke Engineers
Simon-Rosedowns Ltd. (England)
Norman O.V. Sonntag
Soy Food Centre (India)
Soya Technology Systems Ltd. (Singapore)
Soypro International, Inc.
Sprout-Bauer, Inc.
Tramco, Inc.
Troika Processes Pvt. Ltd. (India)
Valley Marketing
Weigh Right Automatic Scale Company
Wenger Manufacturing Inc.
Winsett Engineering, Inc.

### INDUSTRIAL PROCESSES

ADI International, Inc. (Canada)
Baker-Rullman Mfg., Inc.
W.M. Barger & Associates, Inc.
Bean Machines, Inc.
Ken Becker Associates, Inc.
Ross Brian and Associates, Inc.
The Cambrian Engineering Group Ltd. (Canada)
Carter Manufacturing Co., Inc.
Carter-Day Company
Conkey Associates, Inc.
Control Enterprises, Inc.
The Core Team
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
Dravo Engineering Companies, Inc.
J.R. Dykes Sales & Service, Inc.
EMI Corporation
EPE Incorporated
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
Food Ingredients (Minnesota) Inc.
The Foxboro Company
French Oil Mill Machinery Company
Geo-Chem Laboratories Pvt. Ltd. (India)
H.L.S. Ltd. (Israel)
Hayes General Technology Co. Ltd. (Israel)
Heat and Control, Inc.
T.E. Ibberson Company
Peter Kalustian Associates, Inc.
Lembeck Associates, Inc.
Myers Engineers, Inc.
NCI of Minnesota, Inc.
Oleaginosas Espanolas S.A. (OESA) (Spain)
POS Pilot Plant Corporation (Canada)
Prosoya Foods International Inc. (Canada)
Dennis E. Roby & Associates Inc.
Rose International
Schipke Engineers
Simon-Rosedowns Ltd. (England)
Norman O.V. Sonntag
Soy Food Centre (India)
Soya Technology Systems Ltd. (Singapore)
Soypro International, Inc.
Sprout-Bauer, Inc.
Troika Processes Pvt. Ltd. (India)
Valley Marketing
Wenger Manufacturing Inc.
Winsett Engineering, Inc.

### PLANT LAYOUT

ADI International, Inc. (Canada)
APV CREPACO, Inc.
Agra Erectors Inc.
Agricultural Buildling Company
Baker-Rullman Mfg., Inc.
W.M. Barger & Associates, Inc.
Bean Machines, Inc.
Ken Becker Associates, Inc.
Bredow Associates, Inc.
Ross Brian and Associates, Inc.
The Cambrian Engineering Group Ltd. (Canada)
W.C. Cantrell Company
Carter Manufacturing Co., Inc.
Conkey Associates, Inc.
The Core Team
Cottor Plants Pvt. Ltd. (India)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
Dravo Engineering Companies, Inc.
J.R. Dykes Sales & Service, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
Food Ingredients (Minnesota) Inc.
French Oil Mill Machinery Company
Grain Facility Design, Inc.
H.L.S. Ltd. (Israel)
Hayes General Technology Co. Ltd. (Israel)
T.E. Ibberson Company
Industrial Metal Products Co., Inc.
Industry General Corporation
Peter Kalustian Associates, Inc.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Lembeck Associates, Inc.
Murray-Carver, Inc.
Myers Engineers, Inc.
NCI of Minnesota, Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)
Reliance Electric Co.
Dennis E. Roby & Associates Inc.
Schipke Engineers
Simon-Rosedowns Ltd. (England)
Norman O.V. Sonntag
Soy Food Centre (India)
Soya Technology Systems Ltd. (Singapore)
Soypro International, Inc.
Takai Tofu & Soymilk Equipment Co. (Japan)
Troika Processes Pvt. Ltd. (India)
Valley Marketing
Wenger Manufacturing Inc.
Winsett Engineering, Inc.
Wurster & Sanger, Inc.
Younglove Construction Company

### PRODUCT DEVELOPMENT

Bean Machines, Inc.
Ken Becker Associates, Inc.
Ross Brian and Associates, Inc.
The Core Team
N.V. Extraction De Smet S.A. (Belgium)
Dirigo Corporation
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
J.R. Dykes Sales & Service, Inc.
EPE Incorporated
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
Food Ingredients (Minnesota) Inc.
H.L.S. Ltd. (Israel)
Hayes General Technology Co. Ltd. (Israel)
Peter Kalustian Associates, Inc.
Myers Engineers, Inc.
NCI of Minnesota, Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)

POS Pilot Plant Corporation (Canada)
Prosoya Foods International Inc. (Canada)
Reliance Electric Co.
Rose International
Simon-Rosedowns Ltd. (England)
Norman O.V. Sonntag
Soy Food Centre (India)
Soya Technology Systems Ltd. (Singapore)
Soyatech
Soypro International, Inc.
Wenger Manufacturing Inc.
Woodson-Tenent Laboratories, Inc.

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## CONTRACT RESEARCH (PILOT SCALE)

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ADI International, Inc. (Canada)
The Cambrian Engineering Group Ltd. (Canada)
N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineering Companies, Inc.
EPE Incorporated
Expertise, Inc.
Murray-Carver, Inc.
POS Pilot Plant Corporation (Canada)
Prosoya Foods International Inc. (Canada)
Simon-Rosedowns Ltd. (England)
Woodson-Tenent Laboratories, Inc.

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## ENGINEERING SERVICES

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ADI International, Inc. (Canada)
APV CREPACO, Inc.
Agricultural Building Company
Alpine American Corporation
Anderson International Corp.
The Austin Company, Process Division
W.M. Barger & Associates, Inc.
Barrow Agee Laboratories Inc.
C-E Bauer
Ken Becker Associates, Inc.
Borton, Inc.
Bredow Associates, Inc.
Ross Brian and Associates, Inc.
The Cambrian Engineering Group Ltd. (Canada)
W.C. Cantrell Company
Carter Manufacturing Co., Inc.
Carter-Day Company
Codema, Inc.
Conkey Associates, Inc.
Control Enterprises, Inc.
The Core Team
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Cottor Plants Pvt. Ltd. (India)
Curtis & Tompkins, Ltd.
Damman-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Dontech, Inc.
Dravo Engineering Companies, Inc.
EMI Corporation
EPE Incorporated
Expertise, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau mbH (Fed. Rep. of Germany)
Food Ingredients (Minnesota) Inc.
The Foxboro Company
French Oil Mill Machinery Company
Greenway Electric Inc.
H.L.S. Ltd. (Israel)
Hayes General Technology Co. Ltd. (Israel)
T.E. Ibberson Company
Industrial Metal Products Co., Inc.
Industry General Corporation
Peter Kalustian Associates, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lembeck Associates, Inc.
Mid-Continent Laboratories, Inc.
Myers Engineers, Inc.
NCI of Minnesota, Inc.
Newell Machinery Co., Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Prater Industries, Inc.
Process Systems, Inc. (PSI)
Reliance Electric Co.
Dennis E. Roby & Associates Inc.
Schipke Engineers
Simon-Rosedowns Ltd. (England)
Soy Food Centre (India)
Soya Technology Systems Ltd. (Singapore)
Soypro International, Inc.
Takai Tofu & Soymilk Equipment Co. (Japan)
Tenco Laboratories
Troika Processes Pvt. Ltd. (India)
Valley Marketing
Winsett Engineering, Inc.
D.W. Witter, Inc.
Wurster & Sanger Inc.
Younglove Construction Company

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## INSPECTION SERVICES

---

ADI International, Inc. (Canada)
Charles V. Bacon Inc.
Barrow Agee Laboratories Inc.
The Core Team
Curtis & Tompkins, Ltd.
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Geo-Chem Laboratories Pvt. Ltd. (India)
H.L.S. Ltd. (Israel)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Mid-Continent Laboratories, Inc.
Mila Marine Services
Nippon Yuryo Kentei Kyokai (Japan)
SGS Control Services Inc.
Schipke Engineers
Thionville Laboratories, Inc.
Winsett Engineering, Inc.
Woodson-Tenent Laboratories, Inc.

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## WEIGHING SERVICES & SURVEYS

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Charles V. Bacon Inc.
Curtis & Tompkins, Ltd.
Geo-Chem Laboratories Pvt. Ltd. (India)
Hardy Instruments
Mid-Continent Laboratories, Inc.
Mila Marine Services
Nippon Yuryo Kentei Kyokai (Japan)
Reliance Electric Co.
SGS Control Services Inc.
Thionville Laboratories, Inc.
Westweigh Scale Co.
Woodson-Tenent, Inc.

# Alphabetical Company Listings

★ Updated listing

## A

**ADI INTERNATIONAL, INC.**
1115 Regent St., Box 44, Station A,
Fredericton, N.B. E3B 4Y2, CANADA,
Ph. 506/452-9000; TLX: 014-46244 (ADI FRN).
**CONTACT:** R.C. Landine
**SERVICES UNDER:** Manufacturing Services

**APV CREPACO, INC.**
8303 W. Higgins Rd., Chicago, IL 60631,
Ph. 312/693-4000; TLX: 254537.
**CONTACT:** Mel Jolly
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**ASI INSTRUMENTS, INC.** ★
8570 Katy Freeway, Suite 116,
Houston, TX 77024, Ph. 800/245-7056.
**CONTACT:** Kathy Riley
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**ABRASION ENGINEERING, INC.**
5626 Maxwell, St. Louis, MO 63123,
Ph. 314/352-8316.
**CONTACT:** David Altis
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**ABSORBENT CLAY PRODUCTS, INC.**
115 N. Main St., P.O. Box 687, Anna, IL 62906,
Ph. 618/833-2135; TLX: 404395 (ACP ANNA).
**CONTACT:** Don Michel, Pres./Gen. Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**ACTION ENGINEERING INC.**
5645 Persimmon Ave., P.O. Box 505,
Temple City, CA 91780, Ph. 818/447-8111.
**CONTACT:** A. W. Broughton, Pres.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**AEROGLIDE CORPORATION** ★
P.O. Box Aeroglide, Raleigh, NC 27626-0505,
Ph. 919/851-2000; TLX: 579421.
**CONTACT:** Hal Bland, Mgr. Bus. Dev.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**AG-BAG CORPORATION** ★
545 Hamburg, P.O. Box 418, Astoria, OR 97103,
Ph. 503/325-2488; TLX: 151034; TWX: 503-325-2666.
**CONTACT:** Larry Inman
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**AGRA ERECTORS INC.** ★
1469 Dayton Rd., P.O. Box 635,
Greenville, OH 45331, Ph. 513/548-6338.
**CONTACT:** Gregory Swabb, Pres.
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**AGRICULTURAL BUILDING COMPANY** ★
P.O. Box 266, Mendota, IL 61342,
Ph. 815/539-6721.
**CONTACT:** L.W. Schroetlin, Pres.
**PRODUCTS & SERVICES UNDER:** Product Handling; Manufacturing Services

**ALFA-LAVAL FOOD ENGINEERING AB** ★
Munkhattevagen, Box 500, S-14700 Tumba, SWEDEN, Ph. 46/753/65000; TLX: 10260 (ALSTO S). Other offices in over 150 countries. U.S. office: Fort Lee, NJ.
**CONTACT:** Department FR
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**ALL VALLEY INDUSTRIAL SUPPLY**
P.O. Box 20433, Phoenix, AZ 85036,
Ph. 602/257-8326.
**CONTACT:** Bill Marion or Joe Dugger
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**ALLISON CONSTRUCTION, INC.** ★
Hwy. 77 & AFCO Rd., P.O. Box 2016,
West Memphis, AR 72301, Ph. 501/732-6150.
**CONTACT:** David A. Green, VP
**SERVICES UNDER:** Manufacturing Services

**ALPINE AMERICAN CORPORATION** ★
5 Michigan Dr., Natick, MA 01760,
Ph. 617/655-1123; TLX: 948450 (ALPINE NTIK).
Other offices: Runcorn, Cheshire, ENGLAND; Augsburg, FED. REP. OF GERMANY; Rungis Cedex, FRANCE.
**CONTACT:** Jutta F. Clemente, Sr. VP
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**AMERICAN COLLOID COMPANY**
5100 Suffield Court, Skokie, IL 60077,
Ph. 312/966-5720; TLX: ITT 4330321;
TWX: 910-223-0738.
**CONTACT:** Peter D. Nowin, Ag Div. Mgr.
**PRODUCTS UNDER:** Soyean Processing Equipment & Supplies

**ANACON** ★
**Division of High Voltage Engineering Corporation**
19 Bartlett St., Marlborough, MA 01752,
Ph. 617/481-7888; TWX: 710-321-0035.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**ANDERSEN 2000 INC.**
306 Dividend Dr., Peachtree City, GA 30269,
Ph. 404/997-2000; TLX: 542858 (ANDERSEN PECH).
**CONTACT:** James Earle, Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**ANDERSON INTERNATIONAL CORP. ★**
6200 Harvard Ave., Cleveland, OH 44105,
Ph. 216/641-1112; TLX: 980259 (ANDERINTL CLV).
Other office: Morge, SWITZERLAND.
**CONTACT:** Vincent J. Vavpot, VP, Sales
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**ARROWHEAD MARKETING SERVICES ★**
5155 E. 51 St., Suite 110, Tulsa, OK 74135,
Ph. 918/665-3303.
**CONTACT:** Jim Watson, Jerry Snedden, Josanna Moore or Alan Held
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**ASSOCIATED LABORATORIES ★**
806 N. Batavia, Orange, CA 92668,
Ph. 714/771-6900.
**CONTACT:** Henry Espoy, VP
**SERVICES UNDER:** Manufacturing Services

**ATOMERGIC CHEMETALS CORPORATION ★**
91 Carolyn Blvd., Farmingdale, NY 11735-1527,
Ph. 516/694-9000; TLX: 6852289 or 144612 (ATOMERG).
**CONTACT:** Greg Stern
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**THE AUSTIN COMPANY ★**
**Process Division**
2001 Rand Rd., Des Plaines, IL 60016,
Ph. 312/694-4300.
**CONTACT:** S.A. Brown
**SERVICES UNDER:** Manufacturing Services

## B

**B.N.W. INDUSTRIES ★**
R.R. 1, Box 341, Mentone, IL 46539,
Ph. 219/353-7855.
**CONTACT:** Lee E. Norris, Pres.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**CHARLES V. BACON INC. ★**
P.O. Box 97, Marrero, LA 70073,
Ph. 504/347-1468; TWX: 810-951-5260.
Other offices: Lemont, IL; Irvington, NJ; Galena Park, TX.
**CONTACT:** W.J. Swendsen or N. Landeche
**SERVICES UNDER:** Manufacturing Services

**BAKER-RULLMAN MFG., INC. ★**
104 W. Main St., P.O. Box 67,
Watertown, WI 53094, Ph. 414/261-8107.
**CONTACT:** Robert Park
**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

**DAVY BAMAG GmbH ★**
Wetzlarerstrasse 136, P.O. Box 460,
D-6308 Butzback, FED. REP. OF GERMANY,
Ph. 0049/6033/831; TLX: 4184487 (DAV D).
**CONTACT:** M. Nikutowski, Sales Dir.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**W.M. BARGER & ASSOCIATES, INC. ★**
106 Spirea Dr., P.O. Box 565, Oakwood, OH 45409, Ph. 513/293-6669; TLX: 852757.
**CONTACT:** William Barger, Pres.
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**BARROW AGEE LABORATORIES INC.**
P.O. Box 156, Memphis, TN 38101,
Ph. 901/332-1590.
**CONTACT:** Lynn Hawkins, Pres.
**SERVICES UNDER:** Manufacturing Services

**BASIC PRODUCTS GROUP, INC.**
1578 Candish Lane, P.O. Box 838,
Chesterfield, MO 63017, Ph. 314/532-1172.
Other office: Greenville, MS.
**CONTACT:** Greg W. Lyons, Pres.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**C-E BAUER**
3200 Upper Valley Pike, P.O. Box 968,
Springfield, OH 45501, Ph. 513/653-7651;
TLX: 0205411 (BAUER BROS SPI).
**CONTACT:** R.W. Kepner, Dir. of Mktg.
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**BAUERMEISTER, INC. ★**
**Affiliate of Gebr. Bauermeister & Co., Federal Rep. of Germany**
4180 Pilot Dr., P.O. Box 181090,
Memphis, TN 38118-1090, Ph. 901/363-0921;
TLX: 62894740 (ESL UD).
**CONTACT:** Volker Eynck
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**GEBR. BAUERMEISTER & CO. ★**
**Verfahrenstechnik GmbH & Co.**
Oststrasse 40, P.O. Box 1268,
D-2000 Norderstadt/Hamburg,
FED. REP. OF GERMANY, Ph. 040/5260060;
TLX: 214489 (BMSTR D). Other office:
Bauermeister, Inc., Memphis, TN.
**CONTACT:** Mr. Helmut Bockelmann
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**BEAN MACHINES INC. ★**
390 Liberty St., #2, San Francisco, CA 94114,
Ph. 415/285-9411; CABLE: BMITOFU.
**CONTACT:** Wally Rogers
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**BEARD INDUSTRIES, INC. ★**
R.R. 6, P.O. Box 19, Frankfort, IN 46041,
Ph. 317/654-8517.
**CONTACT:** William Beard or Rex Hughes
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**KEN BECKER ASSOCIATES, INC. ★**
38 Prairie Dr., Westmont, IL 60559,
Ph. 312/986-5184.
**CONTACT:** Kenneth Becker, Pres.
**SERVICES UNDER:** Manufacturing Services

**BERICO DIVISION ★**
**Behlen Mfg. Co.**
P.O. Box 12285, Overland Park, KS 66212,
Ph. 913/341-8660; TLX: 6875051 (BHLEN UW)
or 6875055 (GRAIN).
**CONTACT:** Jack Bussell, Natl. Sales Mgr.
**PRODUCTS UNDER:** Product Handling and
Soybean Processing Equipment & Supplies

**BINDICATOR ★**
**Division of Berwind Corporation**
1915 Dove St., P.O. Box 9,
Port Huron, MI 48060, Ph. 313/987-2700;
TWX: 810-231-5261 (BINDICATOR PTHU).
**CONTACT:** Roy Zielinski
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**BLOUNT INDUSTRIAL PRODUCTS GROUP ★**
805 S. Decker Dr., Bluffton, IN 46714,
Ph. 219/824-3400;
**CONTACT:** Roscoe Warner
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**BONAR INDUSTRIES INC. ★**
P.O. Box 10196, Macon, GA 31297,
Ph. 912/784-9040; TLX: 804505 (BONAR MCN).
**CONTACT:** William Hodgins, Bruce Culbertson
or Kaye Anthoine
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**BORTON, INC.**
200 E. 1st St., P.O. Box 2108,
Hutchinson, KS 67504-2108, Ph. 316/669-8211.
**CONTACT:** Don Hunt, Dir. of Sales
**PRODUCTS & SERVICES UNDER:** Product
Handling Equipment & Supplies; Manufacturing
Services

**C.W. BRABENDER INSTRUMENTS, INC. ★**
50 E. Wesley St., South Hackensack, NJ 07606,
Ph. 201/343-8425; TLX: 134466.
**CONTACT:** John S. Herrmann
**PRODUCTS UNDER:** Product Handling and
Soybean Processing Equipment & Supplies

**BREDOW ASSOCIATES, INC. ★**
1935 W. County Rd. B-2, Roseville, MN 55113,
Ph. 612/636-2935.
**CONTACT:** Paul F. Bredow, Pres.
**SERVICES UNDER:** Manufacturing Services

**ROSS BRIAN AND ASSOCIATES, INC. ★**
81 Country Club Dr., Danville, IL 61832,
Ph. 217/443-2605.
**CONTACT:** Ross Brian, Pres.
**PRODUCTS & SERVICES UNDER:** Soybean
Processing Equipment & Supplies; Manufacturing
Services

**CARL G. BRIMMEKAMP & CO., INC. ★**
102 Hamilton Ave., Stamford, CT 06902,
Ph. 203/325-4101;
TLX: WUD 965955 (BRIMMEKAMP STD).
Other offices: San Rafael, CA; Oak Park, IL;
Houston, TX.
**PRODUCTS UNDER:** Product Handling and
Soybean Processing Equipment & Supplies

**BUHLER-MIAG, INC. ★**
1100 Xenium Lane, P.O. Box 9497,
Minneapolis, MN 55440-9497, Ph. 612/545-1401;
TLX: ITT 4310033 (BUHLER MPS).
**CONTACT:** Clemenz Bahr
**PRODUCTS UNDER:** Product Handling and
Soybean Processing Equipment & Supplies

**BUSS-CONDUX, INC. ★**
2411 United Lane, Elk Grove Village, IL 60007,
Ph. 312/595-7474;
TLX: 282413 (BUSS CDX ELGR).
**CONTACT:** Edmund Meier, Prod. Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment and Supplies

## C

**CALIFORNIA PELLET MILL COMPANY**
1114 E. Wabash Ave., P.O. Box 647,
Crawfordsville, IN 47933, Ph 317/362-2600;
TLX: 276200 (IRCPCRW CRAW);
TWX: 810-268-0350 (IRCCPCR CRAW).
**CONTACT:** Roy A. Robinson or W.E. Bennett
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**THE CAMBRIAN ENGINEERING GROUP LTD. ★**
2200 Argentia Rd., Mississauga, Ontario,
L5N 2K7, CANADA, Ph. 416/858-8010;
TLX: 06-218797 (AI CE CIP).
Other office: Saskatoon, Saskatchewan.
**CONTACT:** Peter Sleggs, Process Mgr.
**SERVICES UNDER:** Manufacturing Services

**CAMECO INDUSTRIES ★**
**Honiron Division**
400 S. Canal St., P.O. Box 620,
Jeanerette, LA 70544, Ph. 318/276-6314;
TLX: 586651 (JALENCO JENT).
**CONTACT:** John Mestayer
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**W.C. CANTRELL COMPANY**
3245 May St., P.O. Box 11216,
Fort Worth, TX 76109, Ph. 817/923-7382;
TLX: 758436 (WCCCO FTW). Other office:
Anderson International Corp., Cleveland, OH.
**CONTACT:** Don Berry, Sales Mgr. or Barry
Sanders, Engr.
**PRODUCTS & SERVICES UNDER:** Soybean
Processing Equipment & Supplies; Manufacturing
Services

**CARDINAL SCALE MANUFACTURING COMPANY**
203 E. Daugherty, P.O. Box 151,
Webb City, MO 64870, Ph. 417/673-4631 or 800/922-9023; TLX: 436497 (CARDINAL WECY). Other offices nationwide.
**CONTACT:** Steve Cole, Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**CARTER MANUFACTURING CO., INC.** ★
Hwy. 123 South, P.O. Box 46, Ariton, AL 36311, Ph. 205/762-2391. Other office: Harden Processing, Memphis, TN.
**CONTACT:** Gil Robinson, Ronnie Snellgrove or Charlie Carter
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**CARTER-DAY COMPANY** ★
500 73rd Ave., N.E., Minneapolis, MN 55432, Ph. 612/571-1000; TLX: 201669 (CDAY UR). Other offices: Carter-Day Intl., Charleston, SC; Simon-Day Ltd., Winnipeg, Manitoba, CANADA.
**CONTACT:** Steve Cashman, VP North Am Sales
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**CHAMPION PRODUCTS, INC.**
7875 Fuller Rd., Eden Prairie, MN 55344, Ph. 612/937-9200; TLX: EASYLINK: 62909848 (CHAMP PRO B UD); TWX: 510-600-6281 (CHAMP PRO B UD). Other office: Waconia, MN.
**CONTACT:** Jerry Olson, VP Sales & Mktg.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**THE CHANTLAND COMPANY** ★
**Div. of Douglas & Lomason Co.**
P.O. Drawer A, Humboldt, IA 50548, Ph. 515/332-4040; TWX: 910-523-6942.
**CONTACT:** Dick Mattoon
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**CHASE BAG CO.** ★
2 Greenwich Plaza, Greenwich, CT 06830, Ph. 203/661-3400; TWX: 710-579-2929 (CHASE BAG).
**CONTACT:** J.F. Coneys
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**CHEM-STAAT LABORATORIES, INC.** ★
Crowder Industrial Park, P.O. Box 789, Neosho, MO 64850, Ph. 417/451-5973.
**CONTACT:** Garrett Staat Jr., Pres.
**SERVICES UNDER:** Manufacturing Services

**CHIEF INDUSTRIES, INC.** ★
West Old Hwy. 30, P.O. Box 2078, Grand Island, NE 68802-2078, Ph. 308/382-8820, TWX: 910-629-3713 (CHIEF IND GRID).
**CONTACT:** Rollie Stroh
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**CLARK CONSULTING ENGINEERS** ★
3659 Marine Rd., Toledo, OH 43609, Ph. 419/385-7554.
**CONTACT:** P. Charles, Pres.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**CODEMA, INC.** ★
7924-73rd Ave., N., Brooklyn Park, MN 55428-1293, Ph. 612/424-2263; TLX: 290328 (CODEMA CYSL).
**CONTACT:** Heinz Baecker, Pres., or Steve Parker, Natl. Sales Mgr.
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**CONKEY ASSOCIATES, INC.** ★
1500 Foshay Tower, Minneapolis, MN 55402-2993, Ph. 612/332-8326.
**CONTACT:** David R. Conkey
**SERVICES UNDER:** Manufacturing Services

**CONTINENTAL AGRA GRAIN EQUIPMENT INC.**
P.O. Box 384, Valley Center, KS 67147, Ph. 316/772-5636.
**CONTACT:** Dan Hirschler, Pres.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**CONTROL ENTERPRISES INC.** ★
1808 Woodfield Dr., Savoy, IL 61874, Ph. 217/351-3117; TWX: 910-350-5249 (CEI UD).
**CONTACT:** Charles E. Isdale, Pres.
**SERVICES UNDER:** Manufacturing Services

**CONVEYING TECHNIQUES, INC.**
10497 Town & Country Way, Suite 414, Houston, TX 77024, Ph. 713/467-1292. Other office: New Orleans, LA.
**CONTACT:** Elster Charrier, Sales Mgr. (504/949-8373)
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**THE CORE TEAM**
510 N.W. Nicholas Dr., P.O. Box 248, Ankeny, IA 50021, Ph. 515/964-8705.
**CONTACT:** Norman J. Smallwood
**SERVICES UNDER:** Manufacturing Services

**COSTRUZIONI MECCANICHE BERNARDINI CMB S.p.A.** ★
2 Via dei Castelli Romani, 00040 Pomezia (Rome), ITALY, Ph. 06/9120251; TLX: 610220 (CMB I).
**CONTACT:** Vittorio Colucci
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**COTTOR PLANTS PVT. LTD.** ★
303 Vikas Bldg., 11 Bank St., Bombay 400023, INDIA, Ph. 022/2861349; TLX: 011-3565 (COTR IN).
**CONTACT:** Ramdayal S. Bohra, Exec. Dir.
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**CREASON CORRUGATING & MACHINERY CO. INC.**
5844 N. Broadway, Wichita, KS 67219,
Ph. 316/744-0061. Other offices: Twin City Machine Co., Inc., Minneapolis, MN; Creason Corrugating Co., Chattanooga, TN; Texas Mill Equipment Co., Dallas, TX.
**CONTACT:** Henry H. Stark, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**CRIPPEN MFG. CO., INC.**
700 West End St., P.O. Box 350,
Alma, MI 48801, Ph. 517/463-2119.
**CONTACT:** Robert F. Frevert, Pres.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**CROWN IRON WORKS COMPANY★**
1600 Broadway St., N.E., P.O. Box 1364,
Minneapolis, MN 55440-1364, Ph. 612/331-6400; TLX: 290204 (CROWN IRON MPS).
**CONTACT:** Glenn D. Brueske, VP Mktg.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**CURTIS & TOMPKINS, LTD.★**
290 Division St., San Francisco, CA 94103,
Ph. 415/861-1863. Other offices: Wilmington, CA; Gooch Labs Division, Los Angeles, CA.
**CONTACT:** Bruce Godfrey, Pres.
**SERVICES UNDER:** Manufacturing Services

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## D

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**DAMMAN-CROES S.A.★**
55 Spanjestraat, 8800 Roeselare, BELGIUM,
Ph. 051/204343; TLX: 81548 (DAMMAN B).
Other office: Edegem/Antwerp, BELGIUM.
**CONTACT:** Pierre De Poorter or Dany DePoorter
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**DAVENPORT MACHINE & FOUNDRY CO.★**
**Division of Middle States Corporation**
1628 W. 4th St., P.O. Box 3339,
Davenport, IA 52808-3339; Ph. 319/322-6201; TLX: 468466 (DAV MAC DVP).
**CONTACT:** W.E. Odell, Gen. Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**DAY MIXING COMPANY★**
4932 Beech St., Cincinnati, OH 45212,
Ph. 513/841-3600; TLX: 214392 (DAYMIXING NRWD).
**CONTACT:** Jai K.L. Bajaj, Bus. Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**N.V. EXTRACTION DE SMET S.A.**
Prins Boudewijnlaan 265, B-2520 Edegem, BELGIUM, Ph. 449-4240; TLX: 31824 or 72510.
Other offices: De Smet SAIC, Buenos Aires, ARGENTINA; De Smet do Brasil, Sao Paulo, BRASIL; Extraction De Smet S.A , Bogota, COLOMBIA; De Smet Egypt, Giza (Cairo), EGYPT; De Smet Espana S.A., Madrid, SPAIN; De Smet France, Paris, FRANCE; De Smet Indonesia, Jakarta, INDONESIA; De Smet (Malaysia) Sdn. Bhd., Kuala Lumpur, MALAYSIA; De Smet Mexico S.A. de C.V., Mexico City, MEXICO; Equipro Industrial Co., Inc., Metro Manila, PHILIPPINES; Extraction De Smet S.A., Kartoum, SUDAN; STEP Ltd. Sti., Istanbul, TURKEY; De Smet U.S.A. Corporation, Atlanta, GA.
**CONTACT:** G. Demeyer, Comm. Mgr.
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**DEDERT CORPORATION★**
20000 Governors Dr., Olympia Fields,
IL 60461-1074, Ph. 312/747-7000; TLX: 253889 (DEDERT CORP). Other offices: Columbia, MD; Nice, FRANCE.
**CONTACT:** Gary J. Wurzer, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**DICKEY-john CORPORATION★**
155 S. Country Club Rd., P.O. Box 10,
Auburn, IL 62615, Ph. 217/438-3371;
TLX: 250132 (DICKYJHNS AUBI).
Other offices: Cornwall, Ontario, CANADA; Colombes, FRANCE.
**CONTACT:** Customer Service
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**DIRIGO CORPORATION**
141 W. 2nd St., Boston, MA 02127,
Ph. 617/268-9540.
**CONTACT:** John Darack or Joel Darack
**SERVICES UNDER:** Manufacturing Services

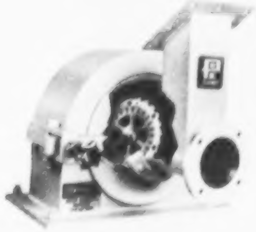
**DIVINE ENGINEERING, INC.★**
5440 6th St., S.W., P.O. Box 1345,
Cedar Rapids, IA 52406, Ph. 319/365-0564.
**CONTACT:** Jared S. Hills, Pres.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**DO-WELL OIL PLANTS PVT. LTD.★**
306, Manish Commercial Centre, Dr. Annie Besant Rd., Worli, Bombay 400025, INDIA,
Ph. 9/022/493-6350.
**CONTACT:** Devinder Malhotra, Mgr. Dir.
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

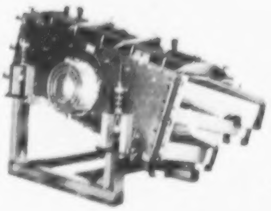
**DONTECH, INC.**
1261 Wiley Rd., Schaumburg, IL 60195,
Ph. 312/885-8222.
**CONTACT:** D.L. Catton or Don Losacco
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**DRAKE PETROLEUM COMPANY★**
6231 N. Pulaski Rd., Chicago, IL 60646,
Ph. 312/588-2060. Other offices: Technical Products, Inc., Louisville, KY; Cleveland, OH.
**CONTACT:** Lloyd W. Kelley
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

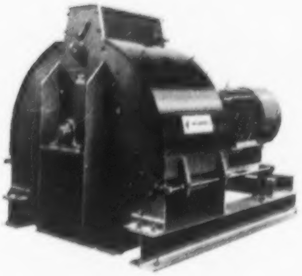
# Heavy duty soybean processing equipment that continues to build our reputation for years of round-the-clock production reliability.



**PREMA® FINE GRINDING MILLS**
Fine grinds soybean meal, white flakes, high protein concentrates and isolates down to low micron sizes. Separate or attached air classifiers also available.



**PRATER® VIBRATING SCREENS**
One, two or three decks for bean cleaning, dehulling and meal screening.



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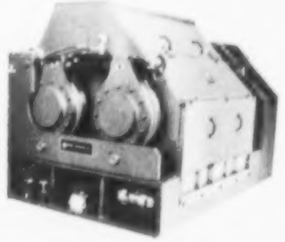

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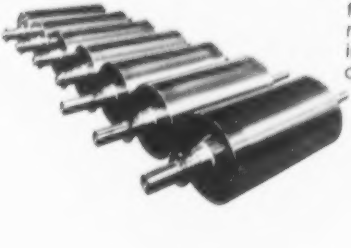

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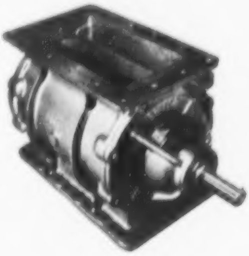

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**CONTACT:** Joe Zimmer, VP Sales
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**CONTACT:** Larry Cliver
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**CONTACT:** Norma J. Shapira
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

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**CONTACT:** Mark Mooney or Tom Dubbe
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**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

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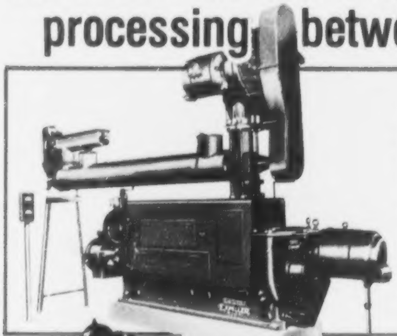

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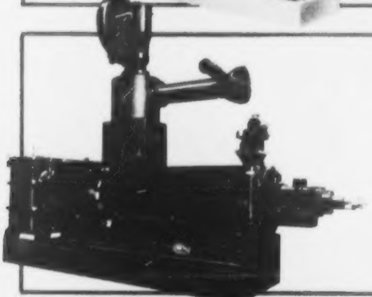

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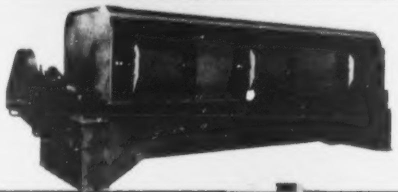

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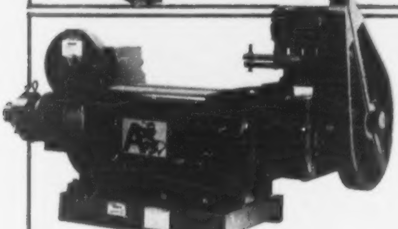

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**CONTACT:** Lee Keating, Pres.
**SERVICES UNDER:** Manufacturing Services

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**CONTACT:** Mike Haraguchi
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**KICE INDUSTRIES INC.** ★
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**CONTACT:** Richard Karwiese, Tech. Mgr.
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**KRUPP INDUSTRIETECHNIK GmbH** ★
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**CONTACT:** Jurgen Werner
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

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1763 Montreal Circle, Tucker, GA 30084,
Ph. 404/934-8200.
**CONTACT:** Robert E. Kieffer
**SERVICES UNDER:** Manufacturing Services

**LEMBECK ASSOCIATES, INC.** ★
7900 College Blvd., Overland Park, KS 66210,
Ph. 913/451-3157; TLX: 825934 (LEMBK UF).
**CONTACT:** Henry G. Lembeck, Pres.
**SERVICES UNDER:** Manufacturing Services

**LIQUID EXTRACTION SYSTEMS, INC.** ★
400 Holly St., P.O. Box 996,
Ormond Beach, FL 32074, Ph. 904/673-5627.
**CONTACT:** Gordon Cole or Robert Lee
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**LURGI GmbH** ★
Gervinusstrasse 17/19, P.O. Box 111231, D-6000
Frankfurt/Main 11, FED. REP. OF GERMANY,
Ph. 069/157-3802, TLX: 412360 (LG D).
**CONTACT:** Georg Penk, Sr. Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

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## M

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**MACHINERY SUPPLY, INC.** ★
900 Oakmont Lane, Suite 206,
Westmont, IL 60559, Ph. 312/655-1011;
TLX: WU 283496 (RELCO WST).
**CONTACT:** Don Stallter, Pres.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**MALLINCKRODT, INC.** ★
**Caliscat Division**
1707 Gaskell Ave., Erie, PA 16503,
Ph. 814/455-0951; TLX: WU 914402 (CALSICAT ERI). Other office: Neunkirchen, FED. REP. OF GERMANY.
**CONTACT:** Stephen J. Stempka
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**MARTIN SPROCKET & GEAR, INC.**
3600 McCart, P.O. Box 1038, Fort Worth, TX 76101-1038, Ph. 817/924-4255; TLX: 758249.
Other offices: Sacramento, CA; Atlanta, GA; Montpelier, OH; Mansfield, TX.
**CONTACT:** Tom Melton, VP & Div. Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**MASCHINENFABRIK REINARTZ GmbH & CO. KG** ★
Industriestrasse 14, P.O. Box 100940,
D-4040 Neuss 1, FED. REP. OF GERMANY,
Ph. 901149/2101/272028; TLX: 8-517740 (MRN D).
**CONTACT:** Manfred Boss, Mgr. Dir.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**MASIERO INDUSTRIAL S.A. ★**
Rua Sebastiao Ribeiro 844, P.O. Box 218, Jau,
SP 17200, BRAZIL, Ph. 55/146/225666;
TLX: 146027 (MASI BR).
Other offices: Recife and Sao Paulo, BRAZIL.
**CONTACT:** Jose Israel Maziero
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**MATHEWS COMPANY ★**
500 Industrial Ave., P.O. Box 70,
Crystal Lake, IL 60014, Ph. 815/459-2210;
TLX: 722488 (MATHEWS CRYS).
**CONTACT:** Phil Farr, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**MATSUZAKA COMPANY (AMERICA), INC.**
17 W. 705 Butterfield Rd., Suite D,
Oakbrook Terrace, IL 60181, Ph. 312/620-4740;
TLX: 2222988.
**CONTACT:** Joji Taketomi, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**McCULLOUGH & COMPANY ★**
4717 E. 119 St., P.O. Box 9824, Kansas City, MO
64134, Ph. 816/761-2857.
**CONTACT:** Gerald Gasser, Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**MEASUREMENT SYSTEMS INTERNATIONAL ★**
12622 Interurban Ave., S., Seattle, WA 98168,
Ph. 206/433-0199; TLX: 328005 (MSI SEA).
**CONTACT:** John R. Swartz or Ron Wenzel
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**MEITAR APARATOS S.A. ★**
Av. Aristobulo del Valle 7090, Santa Fe 3000,
ARGENTINA, Ph. 54/42/60126;
TLX: 48204 (MASA).
**CONTACT:** Juan Carlos Gomez
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**METAL PRODUCTS INTERNATIONAL, INC. ★**
55 Old Field Point Rd., P.O. Box 1524,
Greenwich, CT 06836, Ph. 203/661-4397;
TLX: WU 643289 (MPI GRC).
**CONTACT:** Ernest F. Trescher, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**MEYER AGRI PRODUCTS, INC.**
400 Detroit Ave., P.O. Box 352, Morton, IL
61550, Ph. 309/263-1100.
**CONTACT:** Gary Kinder, Exec. VP
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**MID-AMERICA PRODUCTS, INC. ★**
Hwy. 48 West, P.O. Box 147, Taylorville, IL
62568-0147, Ph. 217/824-9671 or 824-9672.
**CONTACT:** Jerry R. Newcomb
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**MID-CONTINENT LABORATORIES, INC. ★**
1354 Madison Ave., P.O. Box 1521, Memphis,
TN 38101, Ph. 901/725-1722. Other offices:
Greenwood and Jackson, MS.
**CONTACT:** Donald Britton
**SERVICES UNDER:** Manufacturing Services

**MIKROPUL CORPORATION ★**
10 Chatham Rd., Summit, NJ 07901,
Ph. 201/273-6360; TLX: 138157 (MIKROPUL
SMT). Sales representatives throughout the U.S.
**CONTACT:** Deborah Scott
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**MILA MARINE SERVICES ★**
P.O. Box 23545, Harahan, LA 70183,
Ph. 504/733-4155; TLX: 784357.
**CONTACT:** Melissa Huey
**SERVICES UNDER:** Manufacturing Services

**MILLTRONICS, INC. ★**
709 Stadium Dr., E., Arlington, TX 76011,
Ph. 817/277-3543.
**CONTACT:** Bob Newberry
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**MIXING EQUIPMENT COMPANY ★**
**Unit of General Signal**
135 Mt. Read Blvd., P.O. Box 1370,
Rochester, NY 14611, Ph. 716/436-5550;
TLX: 978244 (MIXCO ROC). Other offices:
Chicago, IL; Cedar Rapids, IA; New York, NY.
**CONTACT:** Chan Coyle
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**IBG MONFORTS & REINERS GmbH & CO.**
An der Waldesruh 23, P.O. Box 200853,
D-4050 Moenchengladbach 2, FED. REP. OF
GERMANY, Ph. 2166/8411;
TLX: 852592 (IBGRY D).
**CONTACT:** Wolfgang Dimpker, Gen. Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment Supplies

**N. HUNT MOORE & ASSOCIATES, INC. ★**
3951 Senator St., Memphis, TN 38118,
Ph. 901/362-3267; TLX: 53890 (HUNTMOORE
MFS).
**CONTACT:** Hunt Moore, Jack Moore, Frank Boling or Mark Loft
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**MURRAY-CARVER, INC. ★**
P.O. Box 814449, Dallas, TX 75381-4449,
Ph. 214/241-9440; TLX: TRT 163338 (CARVER
UT). Other offices: Fresno, CA; East Bridgewater,
MA; Memphis, TN; Lubbock, TX.
**CONTACT:** Jess R. Galloway
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**MYERS ENGINEERS, INC.★**
P.O. Box 1493, Decatur, IL 62525,
Ph. 217/429-2704.
**CONTACT:** Noel W. Myers
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

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## N

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**NCI OF MINNESOTA, INC.★**
14000 21st Ave., N., Minneapolis, MN 55441,
Ph. 612/553-0360; TLX: 797057.
**CONTACT:** J.G. Twist, VP
**SERVICES UNDER:** Manufacturing Services

**NEOGEN CORPORATION★**
620 Lesher Place, Lansing, MI 48912, Ph. 517/372-9200; TWX: 510-100-1690 (NEOGEN).
**CONTACT:** Robert Mansfield
**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

**NEUERO CORPORATION★**
1201 Hawthorne Lane, West Chicago, IL 60185,
Ph. 312/231-9020; TLX: RCA 210239 (NEUERO).
**CONTACT:** Jack Fox, Sales Mgr., Ag Products
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**NEUMUNZ, INC.**
117 Ft. Lee Rd., P.O. Box 287, Leonia, NJ 07605, Ph. 201/592-0980; TLX: 135170.
**CONTACT:** George Neumunz, Pres.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**NEW JERSEY FEED LABORATORY, INC.**
910 Pennsylvania Ave., CN 06650, Trenton, NJ 08650, Ph. 609/392-8818; TWX: 510-681-8425 (NJFEEDLAB TRN).
**CONTACT:** Carl W. Schulze, Pres.
**SERVICES UNDER:** Manufacturing Services

**NEWELL MACHINERY CO., INC.**
5501 N. Towne Place N.E., Cedar Rapids, IA 52402, Ph. 319/393-1610.
**CONTACT:** Jon W. Janda or John W. Andersen
**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

**NIPPON YURYO KENTEI KYOKAI★**
No. 9, Kaigan-Dori, 3-chome, Naka-Ku,
Yokohama 231, JAPAN, Ph. 045/201-8337;
TLX: 3823-123 (NYKK J). Other offices: Chiba, Kashima and Kobe, JAPAN.
**CONTACT:** Akira Hinokuma, Pres.
**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

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## O

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**OIL-DRI CORPORATION OF AMERICA★**
520 N. Michigan Ave., Chicago, IL 60611,
Ph. 312/321-1515; TWX: 910-221-5280.
Other offices: Ochlocknee, GA; Ripley, MS; Montreal, Quebec, CANADA.
**CONTACT:** Mark Johnson, or Steven Azzarello
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**OLEAGINOSAS ESPANOLAS S.A. (OESA)★**
Nunez de Balboa 108, P.O. Box 2426,
28006 Madrid, SPAIN, Ph. 34/1/4114613;
TLX: 45302 or 46918 (OLEA E).
Other office: Barcelona, SPAIN.
**CONTACT:** Juan Zamorano, Tech. Dir.
**SERVICES UNDER:** Manufacturing Services

**OLIVER MANUFACTURING CO., INC.★**
17777 Hwy. 50, P.O. Box 512,
Rocky Ford, CO 81067, Ph. 303/254-7813;
TLX: 709253 (OLIVER MFR CO).
**CONTACT:** William Donnell
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**OXFORD ANALYTICAL INSTRUMENTS LTD.★**
20 Nuffield Way, Abingdon, Oxon OX14 1TX, ENGLAND, Ph. 0235/32123; TLX: 83621 (OAINST G). Other office: Analytical Marketing Inc., Andover, MA.
**CONTACT:** Sales Dept.
**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

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## P

**POS PILOT PLANT CORPORATION ★**
118 Veterinary Rd., Saskatoon, Saskatchewan
S7N 2R4, CANADA, Ph. 306/665-7791;
TLX: 074-2882 (POS SKN).
**CONTACT:** Roy Carr, Pres.
**SERVICES UNDER:** Manufacturing Services

**PACIFIC SCIENTIFIC COMPANY ★**
**Instrument Division**
2431 Linden Lane, Silver Spring, MD 20910,
Ph. 301/495-7000 or 800/638-2790;
TLX: TRT 197634 (PACSCI UT).
**CONTACT:** Mike Evans, Product Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**GEBR. PASCHEDAG GmbH**
**Gesellschaft fur Extraktionstechnik**
Lennebrokstrasse 18, P.O. Box 1743,
4720 Beckum, FED. REP. OF GERMANY,
Ph. 02521/2164; TLX: 89579 (PASIN D).
**CONTACT:** Theodor Paschedag, Gen. Mgr.
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services.

**PATTISON'S LABORATORIES, INC. ★**
211 E. Monroe, P.O. Box 346,
Harlingen, TX 78551-0346, Ph. 512/423-3196.
**CONTACT:** Patricia A. Buttery, Pres.
**SERVICES UNDER:** Manufacturing Services

**PEARSON INDUSTRIES, INC.**
Route 34 E., P.O. Box Z, Galva, IL 61434,
Ph. 309/932-2540.
**CONTACT:** Wayne E. Powell, Mktg. Dir.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**PHELPS INDUSTRIES, INC. ★**
1700 E. 9th St., P.O. Box 1093,
Little Rock, AR 72203, Ph. 501/375-1141.
**CONTACT:** Charles Peterson, Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**PHILLIPS 66 COMPANY ★**
14C2 Phillips Bldg., Bartlesville, OK 74004,
Ph. 918/661-7235; TLX: TRT 140338 (PHILNET);
TWX: 810-841-2560.
**CONTACT:** Bob Rhoades or Jim Adams
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**C.A. PICARD, INC. ★**
1710 E. Guthrie Ave., Suite X, Des Moines, IA
50316, Ph. 515/266-3702; TLX: 224404. Other
offices: Battle Creek, MI; Remscheid, FED.
REP. OF GERMANY.
**CONTACT:** Lon Smallridge, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**PLANT MAINTENANCE SERVICE CORP. ★**
3000 Fite Rd., P.O. Box 28883,
Memphis, TN 38128, Ph. 901/353-9880;
TWX: 510-100-2930 (PLANTMSC).
**CONTACT:** Harold H. Perry, VP
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**PLATT ENTERPRISES INC.**
P.O. Box 1774, Decatur, IL 62525,
Ph. 217/864-2009.
**CONTACT:** Charles Platt, Pres.
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**PONNDORF MASCHINENFABRIK GmbH ★**
Leipzigerstrasse 374, P.O. Box 102860,
3500 Kassel, FED. REP. OF GERMANY,
Ph. 561/51140; TLX: 99760 (PONKAS).
**CONTACT:** Peter Boll
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**POPE TESTING LABORATORIES, INC. ★**
2618 Main St., P.O. Box 903,
Dallas, TX 75221, Ph. 214/742-8491.
**CONTACT:** Leon Hunter, Pres.
**SERVICES UNDER:** Manufacturing Services

**PRATER INDUSTRIES, INC. ★**
1515 S. 55th Court, Chicago, IL 60650,
Ph. 312/656-8500.
**CONTACT:** Jay R. Howell
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**PROCESS SYSTEMS, INC. (PSI) ★**
1790 Kirby Pkwy., Suite 300, Memphis, TN
38138, Ph. 901/756-8250; TWX: 910-240-6506.
**CONTACT:** Joe Anglin
**SERVICES UNDER:** Manufacturing Services

**PROCHEM MIXING EQUIPMENT LTD. ★**
8032 Torbram Rd., Brampton, Ontario
L6T 3T2, CANADA, Ph. 416/793-6800;
TWX: 910-240-5259 (PROCHEM BMTN UQ).
Other offices: Snellville, GA; Naperville, IL;
Baton Rouge, LA; Marlton, NJ.
**CONTACT:** Nearest sales office.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**PROGRESSIVE DEVELOPMENT INC. ★**
2740 S. 32nd St., P.O. Box 15300, Milwaukee,
WI 53215, Ph. 414/645-6540.
**CONTACT:** Lowell C. Frank, Pres.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**PROSOYA FOODS INTERNATIONAL INC. ★**
275 Slater St., Suite 801, Ottawa, Ontario
K1P 5H9, CANADA, Ph. 613/237-5814;
TLX: 053-4741 (SUPERIOR). Other offices:
St. Louis, MO; Kanpur, INDIA.
**CONTACT:** R.P. Gupta, VP
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

## Q

**QUADRO ENGINEERING INC.**
613 Colby Dr. Waterloo, Ontario N2V 1A1, CANADA, Ph. 519/884-9660; TLX: 069-55260 (QUADRO WTLO). Other offices: Park Ridge, NJ; Hemel Hemstead, ENGLAND.
**CONTACT:** David Adams, VP Mktg./Sales
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

## R

**RBR SCALES, INC.**
1601 S. Sinclair St., Unit L,
Anaheim, CA 92806, Ph. 714/978-2588.
**CONTACT:** K. Bruce Bailey, Natl. Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**THE RAPAT CORPORATION ★**
Hawley Industrial Park, Hawley, MN 56549,
Ph. 218/483-3344.
**CONTACT:** Dennis Wamre, Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**RELIANCE ELECTRIC CO. ★**
P.O. Box 99502, Cleveland, OH 44119,
Ph. 800/245-4501 (U.S.) or 216/266-7000.
**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

**RHINO SALES CORPORATION**
620 Andrews Ave., P.O. Box 367,
Kewanee, IL 61443, Ph. 309/853-4461.
**CONTACT:** Robert Martin, VP Mktg.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**THOMAS ROBINSON & SON PLC**
Railway Works, Fishwick St., Rochdale,
Lancashire OL16 5NB, ENGLAND,
Ph. 44/706/47811; TLX: 635321 (ROBROC G).
Other offices: Revesby, NSW, AUSTRALIA;
Bergvlei Tvl, SOUTH AFRICA.
**CONTACT:** Roger Davis, Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**DENNIS E. ROBY & ASSOCIATES INC. ★**
1900 E. Eldorado St., P.O. Box 1425,
Decatur, IL 62525, Ph. 217/429-4412;
TLX: 384258 (DER INTL).
**CONTACT:** Bryan Mikeworth, Mgr.
**SERVICES UNDER:** Manufacturing Services

**ROSE INTERNATIONAL ★**
P.O. Box 2687, Petaluma, CA 94953,
Ph. 707/778-7721; TLX: WU 990027 (ROSE INTERNATIONAL).
**CONTACT:** Richard Rose
**SERVICES UNDER:** Manufacturing Services

**ROSKAMP MANUFACTURING, INC. ★**
2975 Airline Circle, Waterloo, IA 50703,
Ph. 319/232-8444; TLX: RCA 287549 (ROSK UR).
**CONTACT:** John Roskamp, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**ROTEX INC. ★**
1230 Knowlton St., Cincinnati, OH 45223,
Ph. 513/541-1236; TLX: 214206 (ROTEX CIN).
**CONTACT:** 800/243-8160 for nearest regional sales manager.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

## S

**SGS CONTROL SERVICES INC. ★**
42 Broadway, 20th Floor, New York, NY 10004,
Ph. 212/482-8700; TLX: 426974 (SUP UI).
Other offices: Wilmington and San Francisco, CA; Alton and Willow Springs, IL; St. Rose, LA; Portland, OR; Deer Park, TX.
**CONTACT:** Norman Green
**SERVICES UNDER:** Manufacturing Services

**SHW, INC. ★**
28 Main St., P.O. Box 659,
Ansonia, CT 06401-0659, Ph. 203/732-5133;
TLX: 203662 (SHW ANS).
**CONTACT:** Hans-Herman Klein
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**L.A. SALOMON, INC. ★**
**Div. of Sud Chemie North America**
14 Vanderventer Ave., P.O. Box 828, Port Washington, NY 11050, Ph. 516/883-6100;
TLX: WUI 961470 (LASALOMON PTWN).
Other office: Quimica Sumex, Mexico City, MEXICO.
**CONTACT:** August M. Rossetto, Jr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**SCANDURA INC. ★**
1801 N. Tryon St., P.O. Box 30606, Charlotte, NC 28230-0606. Ph. 704/334-5353; TWX: 810-621-7880. Other offices: W. Sacramento, CA; Addison, IL; Port Clinton, OH.
**CONTACT:** Jim Bickett or Robert Mullen
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**SCHIPKE ENGINEERS**
5100 Thimsen Ave., Minnetonka, MN 55345,
Ph. 612/474-3295.
**CONTACT:** Paul Chase
**SERVICES UNDER:** Manufacturing Services

**SCHLAGEL, INC.** ★
491 N. Emerson St., P.O. Box 353,
Cambridge, MN 55008, Ph. 612/689-2342.
**CONTACT:** Al Havemeier, VP
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**SCHNUPP'S GRAIN ROASTING, INC.** ★
R.D. 6, Box 840, Lebanon, PA 17042,
Ph. 717/865-6611.
**CONTACT:** Dale Schnupp, Pres.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**SEEDBURO EQUIPMENT CO.** ★
1022 W. Jackson Blvd., Chicago, IL 60607,
Ph. 312/738-3700; TLX: 270378 (SEEDBURO CGO). Other office: Gamet Mfg., Minneapolis, MN.
**CONTACT:** Sales Dept.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**SHANZER GRAIN DRYERS**
P.O. Box 834, Sioux Falls, SD 57101,
Ph. 605/336-0439.
**CONTACT:** Walt Heeren, Gen. Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**SHIVVERS INCORPORATED** ★
614 W. English, P.O. Box 467,
Corydon, IA 50060, Ph. 515/872-1005.
**CONTACT:** Roy Truax, Sales Mgr.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**SIFTEX EQUIPMENT COMPANY** ★
75 Michael Rd., P.O. Box 16760,
Stamford, CT 06905, Ph. 203/968-0361.
**CONTACT:** Richard E. Weil, Gen. Mgr.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**HENRY SIMON INC.** ★
2955 Fairfax Trafficway, Kansas City, KS 66115,
Ph. 913/621-6466; TWX: 910-687-5025 (SIMJN UW). Other office: Toronto, Ontario, CANADA.
**CONTACT:** Ben J. Ross, Sales Mgr.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**SIMON-DAY LTD.** ★
1425 Whyte Ave., P.O. Box 488, Winnipeg,
Manitoba R3C 2J6, CANADA, Ph. 204/786-5781; TLX: 07-57327 (SIMON DAY WPG). Sister company: Carter-Day Company, Minneapolis, MN.
**CONTACT:** R. Sproule, VP Sales
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**SIMON-ROSEDOWNS LTD.**
Cannon St., Hull, N. Humberside HU2 0AD,
ENGLAND, Ph. 29864; TLX: 592226
(SR HULL G).
**CONTACT:** A. Forster, Gen. Sales Mgr.
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**SMICO MANUFACTURING CORPORATION** ★
500 N. MacArthur Blvd., Oklahoma City, OK
73127, Ph. 405/946-1461.
**CONTACT:** Bill Belous, Pres.
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**NORMAN O.V. SONNTAG** ★
306 Shadowwood Trail, Red Oak, TX 75154,
Ph. 214/576-3033.
**CONTACT:** Norman O.V. Sonntag
**SERVICES UNDER:** Manufacturing Services

**SOUTHERN TESTING AND RESEARCH LABORATORIES, INC.**
607 Park Ave., P.O. Box 1849, Wilson, NC
27894, Ph. 919/237-4175.
**CONTACT:** W.A. Bridgers, Pres.
**SERVICES UNDER:** Manufacturing Services

**SOUTHWELL LABORATORY, INC.** ★
1838 S.W. 13th St., P.O. Box 25001,
Oklahoma City, OK 73125, Ph. 405/232-1966 or 239-7979. Other office: Irving, TX.
**CONTACT:** Joseph R. Southwell, Pres.
**SERVICES UNDER:** Manufacturing Services

**SOY FOOD CENTRE**
**A Unit of Networks Pvt. Ltd.**
113-121 Swaroop Nagar, Kanpur 208002, U.P.,
INDIA, Ph. 244311.
**CONTACT:** T.N. Agarwal
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**SOYA TECHNOLOGY SYSTEMS LTD.** ★
11 Dhoby Ghaut, #11-06 Cathay Building,
Singapore 0922, REP. OF SINGAPORE,
Ph. 65/338-8800, TLX: 20916 (SOYTEC RS).
**CONTACT:** Anders Lindner, Gen. Mgr.
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

**SOYATECH** ★
318 Main St., P.O. Box 84, Bar Harbor ME 04609,
Ph. 207/288-4969.
**CONTACT:** Sharyn Kingma, Pres.
**SERVICES UNDER:** Manufacturing Services

**SOYPRO INTERNATIONAL, INC.** ★
314 Main St., Cedar Falls, IA 50613,
Ph. 319/277-4700; TLX: 465653 (SOYPRO).
**CONTACT:** R.W. Fischer, Pres.
**SERVICES UNDER:** Manufacturing Services

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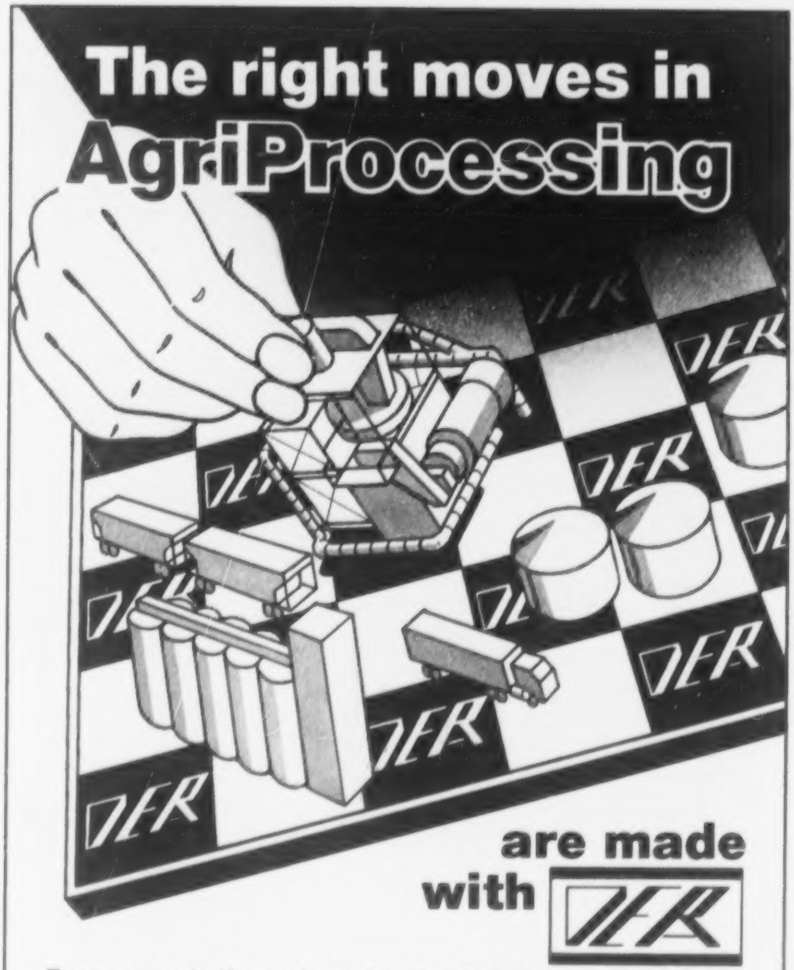

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Los Angeles, CA 90051, Ph. 213/726-1177;
TLX: 674968 (SWECO LA).
Other office: Florence, KY.
**CONTACT:** Brad Jones, Product Mgr.
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## T

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**TAKAI TOFU & SOYMILK EQUIPMENT CO. ★**
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Kanazawa Minami, Ishikawa-gun 921, JAPAN,
Ph. 81/0762/481355; TLX: 5122777 (TAKAI J).
Other offices: Osaka, Sapporo, Setagara-ku, JAPAN.
**CONTACT:** Wataru Takai, Dir. Overseas Dept.
**PRODUCTS & SERVICES UNDER:** Product Handling and Soybean Processing Equipment & Supplies; Manufacturing Services

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**CONTACT:** Dennis Derango, Prod. Mgr.
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1150 Junction Ave., Schererville, IN 46375,
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**CONTACT:** Robert W. Hoole, Mktg. Dir.
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554 Pepsi St., New Orleans, LA 70123,
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Other offices: Buenos Aires, ARGENTINA; Sao Paulo, BRAZIL; Paris, FRANCE; Rotterdam, NETHERLANDS.

**CONTACT:** Paul Thionville, Pres.
**SERVICES UNDER:** Manufacturing Services

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**CONTACT:** Clint Steele, Sales Mgr.
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**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

**TREBOR INDUSTRIES, INC.** ★
7845 Airpark Rd., P.O. Box 2159, Gaithersburg,
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TWX: 718-828-9701 (TREBOR USA).
**CONTACT:** Steve Kornspan
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**TRIPLE/S DYNAMICS, INC.** ★
1031 S. Haskell Ave., Dallas, TX 75223,
Ph. 214/828-8600;
TLX: WUI 730023 (TRIPLE S DAL).
**CONTACT:** J. F. Sullivan
**PRODUCTS UNDER:** Product Handling and Soybean Processing Equipment & Supplies

**TROIKA PROCESSES PVT. LTD.** ★
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Bombay 400021, INDIA, Ph. 234429;
TLX: 011-5335 (TROK IN).
**CONTACT:** P.G. Bhandari, Mgr. Dir.
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**THE TWINING LABORATORIES INC.**
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**SERVICES UNDER:** Manufacturing Services

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## U

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800/348-0832; TLX: 253285.
**CONTACT:** Amalia Calvo or Roberta Coulter
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**UDY CORPORATION** ★
201 Rome Court, Fort Collins, CO 80524,
Ph. 303/482-2060.
**CONTACT:** Art King
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

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**CONTACT:** Douglas E. Edmonds, Dist. Sales Mgr.
**PRODUCTS UNDER:** Product Handling Equipment & Supplies

**UNITED CATALYSTS INC.** ★
P.O. Box 32370, Louisville, KY 40232,
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**CONTACT:** George L. Buehler
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TLX: 258337 (URSCHEL VALP).
Other offices in principal cities worldwide.
**CONTACT:** C. F. Ashton, VP Sales
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**CONTACT:** Scott R. Culshaw or Peter Hohorst
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**VOTATOR DIVISION** ★
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Louisville, KY 40232, Ph. 502/491-4310;
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**CONTACT:** Ray Klusman
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Ph. 617/478-2000 or 800/252-4752;
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**CONTACT:** John Morawski, Food Mktg. Mgr.
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TLX: 956594.
**CONTACT:** Dave Abrahamson
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**WENGER MANUFACTURING INC.** ★
714 Main St., P.O. Box 130, Sabetha, KS 66534,
Ph. 913/284-2133; TLX: 6875028 (WENGR UW).
Other office: Kansas City, MO.
**CONTACT:** Don Wenger, VP
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**WESTFALIA SEPARATOR AG**
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**CONTACT:** Product Information Center
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**WESTWEIGH SCALE CO.**
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**CONTACT:** Wendell Dyke
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**CONTACT:** W.G. Winsett
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

**WITT CORRUGATING, INC.** ★
935 S. West St., Wichita, KS 67213,
Ph. 316/942-8456.
Other office: Kansas City, MO.
**CONTACT:** Terry Witt, Pres.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**D.W. WITTER, INC.** ★
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Ph. 309/493-5611; TWX: 910-350-7260 (D W WITTER UD).
**CONTACT:** Dennis Witter, Pres.
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TWX: 910-380-1068 (WT LAB MFS). Other offices: N. Little Rock, AR; Gainesville, GA; Des Moines, IA; Goldston, NC; Dayton, OH.
**CONTACT:** Mike Deaton
**SERVICES UNDER:** Manufacturing Services

**WURSTER & SANGER, INC.** ★
222 W. Adams St., Suite 1529,
Chicago, IL 60606, Ph. 312/977-4890;
TLX: ITT 4972335 (WURSAN).
**CONTACT:** Barry Smith, VP Mktg.
**PRODUCTS & SERVICES UNDER:** Soybean Processing Equipment & Supplies; Manufacturing Services

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## Y

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**YORKTOWN MACHINERY & SALVAGE CO., INC.**
P.O. Box 1047, Yorktown, TX 78164,
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Other location: Carson City, NV.
**CONTACT:** Ramon S. Ray, Jr., Pres.
**PRODUCTS UNDER:** Soybean Processing Equipment & Supplies

**YOUNGLOVE CONSTRUCTION COMPANY** ★
2015 E. 7th St., P.O. Box 8800,
Sioux City, IA 51102, Ph. 712/277-3906.
**CONTACT:** Michael A. Gunsch
**PRODUCTS & SERVICES UNDER:** Product Handling Equipment & Supplies; Manufacturing Services

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## Z

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**ZIMMERMAN EQUIPMENT COMPANY** ★
216 Sherman St., P.O. Box 346,
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**CONTACT:** Lon Bathurst, Pres.
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# marketing & auxiliary services

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**CONTACT:** Kurt Harstad, Soybean Merchandiser

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**CONTACT:** Larry G. Schmidt, Asst. VP

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**CONTACT:** Mark Munger

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**CONTACT:** Richard R. Glowe

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**FARMERS GRAIN AND LIVESTOCK CORP. ★**
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**CONTACT:** Rafael Sagarbarria, First VP

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**CONTACT:** Joseph J. Kane, Pres.

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**CONTACT:** Michel H. Rittenberg, Asst. VP

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100 Gold St., New York, NY 10038,
Ph. 212/791-2782.
**CONTACT:** Richard A. Loewy

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5160 Sanderlin Ave., Suite 1,
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**CONTACT:** David Rainey

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**CONTACT:** Todd R. Jafvert

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**CONTACT:** Tom Mertensmeyer

**TIGER ON SPREADS ★**
1001 Gelston Circle, P.O. Box 1414,
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**CONTACT:** Phillip Tiger or Martha Muckerman

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P.O. Box 5050, Montgomery, AL 36103,
Ph. 205/361-1338; TLX: RCA 284720 (AMB
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**CONTACT:** A.M. Bazzy, Pres.

**ACOMARIT SERVICES MARITIMES S.A.**
3, Rue du Mont-Blanc, C.P. 21, 1211 Geneva 1,
SWITZERLAND, Ph. 022/311600; TLX: 42375200
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**CONTACT:** Joel Pupkin, Operations Mgr.

**AG PROCESSING INC ★**
11235 Davenport St., Omaha, NE 68154,
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**CONTACT:** Joe Meyer

**JAMES ALLEN (Ireland) LTD.**
Frankfort, Dumdrum Rd., Dublin 14, IRELAND,
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**CONTACT:** D.J. Molloy or D.T. Leavy

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**CONTACT:** Jerry O'Sullivan

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Other office: Hygea Foods, Johannesburg.
**CONTACT:** Chris Clegg, Mgr. Dir.

**CARGILL DE VENEZUELA C.A. ★**
Edif. Tecoteca, Ave. Francisco de Miranda,
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**CONTACT:** Rolf Lange, VP

**CENTRAL MARKETING INC. ★**
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**CYPRESS FOODS INTERNATIONAL, INC. ★**
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**CONTACT:** Richard R. Glowe

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Ph. 33/1/4236-6451; TLX: 210858 (DALSA F).
Other offices: Dalsace Freres, 3 Bldg. de la Liberte,
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**CONTACT:** Jean-Louis Lamau or Pierre Heiser

**FARMERS COMMODITIES CORPORATION ★**
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**CONTACT:** Customer Service

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**CONTACT:** S.G. Bhandari or R.K. Maru.

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Elk Grove Village, IL 60007-1557,
Ph. 312/439-3200; TLX: 206804 (FOOD INGR).
**CONTACT:** H.S. Villars, Pres.

**FOOD INGREDIENTS (Minnesota) INC. ★**
2121 Toledo Ave. N, Golden Valley, MN 55422,
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**CONTACT:** Dale W. Johnson, Pres.

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**CONTACT:** M. J. Hall, Dir.

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**LOCKHART-COLEMAN GRAIN & FERTILIZER COMPANY ★**
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**CONTACT:** Murray L. Lockhart, Pres.

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**CONTACT:** Elizabeth Brandov, VP

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**CONTACT:** Richard A. Loewy

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**CONTACT:** Yung Koo Park, Mgr. Dir.

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200 Campbell St., P.O. Box 521,
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**CONTACT:** Murray L. Lockhart, Pres.

**MERRILL LYNCH** ★
Commodity Mktg. Dept., 165 Broadway,
29th Floor, New York, NY 10080,
Ph. 212/637-4199.
**CONTACT:** Michel H. Rittenberg, Asst. VP

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**CONTACT:** Michel H. Rittenberg, Asst. VP

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**CONTACT:** Thomas Bradley, Pres.

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839 Belgrade Ave., P.O. Box 1176,
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**CONTACT:** Alan Kluis or Leroy Louwagie.

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**CONTACT:** Howard C. Madsen, Exec. VP

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**CONTACT:** Larry G. Schmidt, Asst. VP

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**CONTACT:** Kurt Harstad, Soybean Merchandiser

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**CONTACT:** Chris Clegg, Mgr. Dir.

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**CARGILL DE VENEZUELA, C.A. ★**
Edif. Tecoteca, Ave. Francisco de Miranda,
Caracas, VENEZUELA, Ph. 284/6088/284853;
TLX: 27769 (CGLVI VC).
**CONTACT:** Rolf Lange, VP

**CENTRAL SOYA OVERSEAS B.V. ★**
**Chemurgy Div.**
Veerlaan 17-23, P.O. Box 5063;
3008 AB Rotterdam, NETHERLANDS,
Ph. 010/423-9600; TLX: 20041 (CNSOY NL).
**CONTACT:** Customer Service

**COMPAGNIE CONTINENTALE (Holland) B.V. ★**
Weena 130, P.O. Box 209, 3000 AE Rotterdam,
NETHERLANDS, Ph. 31/010/414-7155;
TLX: 22036 (CCH NL).
**CONTACT:** F.A.M. Mudde, Gen. Mgr.

**COMPANHIA GERAL DE COMERCIO IMPORTADORA E EXPORTADORA, SARL (CONGIMEX)**
Ava. Almirante Reis, 106-4° Fte., 1100 Lisbon,
PORTUGAL, Ph. 823221; TLX: 12724 (COMEX P).
**CONTACT:** Fernando Nunes or Paulo Basilio

**COMSHIPCO INTERNATIONAL, INC. ★**
6800 France Ave., S., Suite 674,
Edina, MN 55435, Ph. 612/929-4468;
TLX: 6879112 (CMSHP).

Other offices: Norcom Export Inc., Minneapolis, MN; Combined Shipping & Trading, London, ENGLAND.
**CONTACT:** John Burritt

**CONDIMENTA Dr. E. RENDLEN GmbH ★**
Klagenfurterstrasse 1-3, P.O. Box 300480,
7000 Stuttgart 30, FED. REP. OF GERMANY,
Ph. 711/813015; TLX: 07252248 (GWM D).
**CONTACT:** Bernd Hasenmaile

**CONSOLIDATED GRAIN & BARGE COMPANY ★**
5100 Oakland Ave., St. Louis, MO 63110,
Ph. 314/658-9200; TLX: 442539 (CONSOL GRN BRG); TWX: 910-761-1060 (CONSOL GRN BRG).
**CONTACT:** Van Janssen, VP

**CONTINENTAL GRAIN COMPANY ★**
277 Park Ave., New York, NY 10172,
Ph. 212/207-5548; TLX: 125708 (CONGRAIN NYK).
**CONTACT:** Lyle D. Pauley

**CONTINENTAL OVERSEAS CORPORATION**
Kyodo Tsushin Kaikan, 2-5,
Toranomon 2-chome, Minato-ku, Tokyo 105,
JAPAN, Ph. 81/03/582-4331; TLX: 22342 (CONGRAIN). Other office: Continental Grain Company, New York, NY.
**CONTACT:** Shuichi Hino

**CORSON SEEDS INTERNATIONAL LTD. ★**
415 Gladstone Rd., P.O. Box 1046, Gisborne,
NEW ZEALAND, Ph. 64/079/79757;
TLX: 30027 (CORSON NZ). Other offices: Auckland and Sanson.
**CONTACT:** D.H. McLeay, Gen. Mgr.

**LOUIS DREYFUS COMPANY ★**
24 Richmond Hill Ave., P.O. Box 10117,
Stamford, CT 06904-2117, Ph. 203/357-8444;
TLX: 996315 (LD CORP). Other offices: Chicago and Pekin, IL; Kansas City, MO; Pascagoula, MS; Portland, OR; Memphis, TN.
**CONTACT:** Joseph Petrowski, VP

**ESTEVE S.A. ★**
52 Avenue de la Gare, P.O. Box 551, CH-1001
Lausanne, SWITZERLAND, Ph. 2120-4781;
TLX: 454972 (ESTV CH). Other offices: worldwide.
**CONTACT:** Robert Naef

**EDEN FOODS, INC. ★**
701 Tecumseh Rd., Clinton, MI 49236,
Ph. 313/973-9400. Other office: San Francisco, CA.
**CONTACT:** Cliff Adler, Pres.

**FARMERS COMMODITIES CORPORATION ★**
2829 Westown Pkwy., Suite 200,
West Des Moines, IA 50265, Ph. 515/223-3788,
800/247-4104 (U.S.) or 800/422-3087 (IA). Other offices: Denver, CO; Chicago, IL; Kansas City, MO.

**FLOUR & FOOD LTD.**
10-11 Yeshwant Niwas Rd., Indore 452003, M.P.,
INDIA, Ph. 91/731/37365; TLX: 735216 (FOOD IN) or 735378 (ALSO IN). Other office: Bombay.
**CONTACT:** S.G. Bhandari or R.K. Maru.

**FORUM IMPORT & EXPORT CORPORATION ★**
One Landmark Square, Suite 402, Stamford,
CT 06901, Ph. 203/359-8646; TLX: RCA 201213 (FORUM UR).
**CONTACT:** Al Horowitz or Donna Carano

**GARDNER SMITH PTY. LTD. ★**
P.O. Box 606, Neutral Bay Jct., Neutral Bay,
NSW 2089, AUSTRALIA, Ph. 02/909-2222;
TLX: 120824 (ENERGET AA). Other offices: Woking, Surrey, ENGLAND; Auckland, NEW ZEALAND; The Arcade, SINGAPORE.
**CONTACT:** Peter Shearman, Veg. Oil Mgr.

**GRAINES & HUILES ZADEN & OLIEN N.V. ★**
St. Pietersvliet 3, Bus. 13, 2000 Antwerp,
BELGIUM, Ph. 32/03/234-2535;
TLX: 31600 (GHZOAN B).
**CONTACT:** Pablo Saeys

**GRANEXPORT ★**
**Enterprise for Food Industry and Trade**
Terazije 27, P.O. Box 902, 11000 Beograd,
YUGOSLAVIA, Ph. 011/333-635 or 333-636;
TLX: 11213 or 11278 (GRANEX YU).
**CONTACT:** Milenko Petrovic or Jovica Nikolic

**GREAT WALL ENTERPRISE CO., LTD. ★**
No. 3, Niao-Sung 2nd St., Niao-Sung Village,
Yung-kung Hsiang, Tainan Hsien 71004, TAIWAN,
Ph. 06/253-1111; TLX: 71351 (GREATAL).
**CONTACT:** John C.J. Ou, Mgr.

**J.W. GREEN & COMPANY (Cork) LTD. ★**
P.O. Box 58, Cork, IRELAND,
Ph. 00353/021/270782;
TLX: 0500-75855 (SPS EI).
**CONTACT:** William O. Mahoney or Finbar Healy

**GRUPO INTERAMERICANO C.A. ★**
Av. Los Jabillos, Centro Banco Piso and
Sabana Grande, P.O. Box 1846, Caracas 100,
VENEZUELA, Ph. 02/716813 or 716816;
TLX: 24578.
**CONTACT:** Marilu Ravelo, Commercial Mgr.

**R. & H. HALL LTD.**
32 Nassau St., Dublin 2, IRELAND, Ph. 773167;
TLX: 25249 (HALD EI).
Other offices: Belfast, Cork and Waterford.
**CONTACT:** M. J. Hall, Dir.

**FREDDY HIRSCH ★**
**Bizerba Scales Pty. Ltd.**
P.O. Box 2554, Cape Town 8000, SOUTH AFRICA,
Ph. 27/021/518203; TLX: 521017 or 527736. Other offices: Bloemfontein, Durban, Johannesburg.
**CONTACT:** Noel L. Barry, Div. Dir. — Food Ingredients

**HOECHEONG INTERNATIONAL TRADING CO. LTD. ★**
Sitthivorakit Bldg., 14th Floor, No. 5 Soi Pipat,
Silom Rd., G.P.O. Box 1386, Bangkok 10501,
THAILAND, Ph. 2352895; TLX: 82858 (HOECO TH). Other offices: Melbourne, AUSTRALIA; Beijing, CHINA; HONG KONG and SINGAPORE.
**CONTACT:** Jason Wong, Gen. Mgr.

**HOUSTON TANK STORAGE COMPANY ★**
**Subsidiary of Jacob Stern & Sons**
1464 E. Valley Rd., P.O. Box 50739,
Santa Barbara, CA 93150, Ph. 805/565-1411;
TLX: WU 658312 (JSTERN).
**CONTACT:** Philip Bernstein or Jeffrey Peeler

**SAM HUEY COMPANY ★**
645 S. Atlantic Ave., Cocoa Beach, FL 32931,
Ph. 305/783-2091; TLX: 564341 (HUEY CO CCO).
Other offices: Identity Seed & Grain, Bloomington,
IL; Mila Marine Services, Inc., Harahan, LA.
**CONTACT:** Sam Huey, Pres.

**HYBCO, U.S.A. ★**
P.O. Box 132, Reseda, CA 91335,
Ph. 213/269-3111; TLX: RCA 215485 (HYBC).
**CONTACT:** David Kashani, Gen. Mgr.

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Bad Homburg, FED. REP. OF GERMANY,
Ph. 06172/22046; TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.

**INTERNATIONAL PROTEINS CORP.**
123 Fairfield Rd., P.O. Box 1169,
Fairfield, NJ 07006, Ph. 201/227-2710.
**CONTACT:** Gregory F. Holt

**INTRAMEX ★**
128 Motijheel Commercial Area, G.P.O. Box 3566,
Dhaka, BANGLADESH, Ph. 88/02/506286 or
509965; TLX: 642568 (OTEEL BJ).
**CONTACT:** A.T.M. Anayet Ullah, Mgr. Dir.

**KRMIVA R.O. ★**
Gunduliceva 45, P.O. Box 475, 41001 Zagreb,
YUGOSLAVIA, Ph. 0038/41/445624, 440609 or
442061; TLX: 21203 (KRMIVA YU).
**CONTACT:** Import/Export Dept.

**B.S. LIVINGSTON & CO. INC.**
60 E. 42nd Street, New York, NY 10165,
Ph. 212/867-9020;
TLX: RCA 234362 (BENJESSLIV).
**CONTACT:** JoAnn Milas

**MARUBENI AMERICA CORPORATION ★**
200 Park Ave., New York, NY 10166,
Ph. 212/599-3755; TWX: 710-581-3629
(MARUBENI NYK). Other offices: San Francisco,
CA; St. Louis, MO; Buenos Aires, ARGENTINA;
Sao Paulo, BRAZIL.
**CONTACT:** Kenj Gokyu, Mgr. Soybean Dept.

**MIRATRADE INTERNATIONAL ★**
291 King St., P.O. Box 5050, London,
Ont. N6A 4M3, CANADA, Ph. 519/667-7415;
TLX: 064-7244 (LABATT LONDON). Other offices
in U.S. and Canadian cities.
**CONTACT:** Jack Smit, Mgr.

**MISSISSIPPI RIVER GRAIN ELEVATOR, INC. ★**
1100 Poydras St., Suite 2730, P.O. Box 53227,
New Orleans, LA 70153-3227, Ph. 504/582-2200;
TLX: MCI 6821288.
**CONTACT:** Lorenzo Savini

**MITSUI GRAIN CORPORATION ★**
965 Ridge Lake Blvd., Memphis, TN 38119,
Ph. 901/685-3717;
TLX: WU 533154 (MITSUI MFS).
**CONTACT:** Shogo Suzuki, Asst. Gen. Mgr.

**NKS EUROTRADE (N.Y.) INC. ★**
100 Merrick Rd., Suite 514-E, Rockville Centre,
NY 11570, Ph. 516/764-8080;
TLX: ITT 422645 (NKS UI).
**CONTACT:** Chris Christodoulou, Gen. Mgr.

**NKS EUROTRADE (UK) LTD. ★**
3 Regent St., P.O. Box 160, London SW1Y 4NR,
ENGLAND, Ph. 44/1/930-7651;
TLX: 8813508 (NKSLDN G).
**CONTACT:** L.G. Wyatt, Group Trading Mgr.

**NISSHO IWAI AMERICAN CORPORATION ★**
1211 Avenue of the Americas, New York, NY
10036, Ph. 212/704-6843; TLX: WU 127090 (NIAC
NYK). Other office: Tokyo, JAPAN.
**CONTACT:** Mitsuyuki Nishimura, Mgr.

**NORTH WEST SILOS LTD. ★**
37/41 High St., Belfast BT1 2AB, IRELAND,
Ph. 11/44232/322479; TLX: 74102 (RUSMAC G).
**CONTACT:** Denis H. Cooley

**OLEAGINOSAS ESPANOLAS S.A. (OESA) ★**
Nunez de Balboa, 108, P.O. Box 2426, 28006
Madrid, SPAIN, Ph. 34/1/411-4613; TLX: 45302
or 46918 (OLEA E). Other office: Barcelona.
**CONTACT:** Jose Ferrer Berta

**OPCO INDUSTRIES LTD. ★**
17 Keeling Rd., P.O. Box 21123, Henderson,
Auckland 8, NEW ZEALAND,
Ph. 0064/09/837-0760; TLX: 21120.
**CONTACT:** Peter Doig, Gen. Mgr.

**PATUM VEGETABLE OIL CO. LTD. ★**
733/23 Charansanitwong Rd., Bangkok 10700,
THAILAND, Ph. 424-1165 or 424-2168;
TLX: 82431 (PATUM TH).
**CONTACT:** Prakit Triyanond, Gen. Mgr.

**THE PILLSBURY COMPANY ★**
Pillsbury Center, M.S. 3674,
Minneapolis, MN 55402, Ph. 612/330-4254;
TLX: MCI 6879040 (PILLS UW).
**CONTACT:** Myron W. Achenbach, Mgr. Export
Feed

**PROMEX INTERNATIONAL TRADING, INC. ★**
350 Fifth Ave., New York, NY 10118,
Ph. 212/868-3394; TLX: WU 620014 (DELTA) or
6973145 (PRMX). Other office: ESRA Dis Tic,
Istanbul, TURKEY.
**CONTACT:** M. Uca or K. Gunger

**PROTEA CHEMICAL SERVICES PTY. LTD. ★**
Dyson Rd., Wadeville Ext. 1, Private Bag X-1051,
Germiston, Transvaal 1400, SOUTH AFRICA.
Ph. 27/11/824-2020; TLX: 450228 (PCS). Other
offices: Cape Town, Durban and Port Elizabeth.
**CONTACT:** Henk Egberink, Mgr. Dir.

**RIZ & DENREES S.A. ★**
34 Avenue George V, 75008 Paris, FRANCE,
Ph. 33/1/4723-7854; TLX: 640840 (DENRI).
**CONTACT:** Olivier de Ducla, Mgr.-Oils Dept.

**RUSTICA SEMENCES ★**
Centre de Sandreau, Mondonville, 31700 Blagnac,
FRANCE, Ph. 6185-3636 or 6185-2871; TLX:
520505 (RUSTICA). Other offices: Rustica Italia,
San Daniele, ITALY; RS Sacon Pflanzenzucht,
Hamburg, FED. REP. OF GERMANY.
**CONTACT:** Roger Catala

**SIB N.V.**
**Affiliate of N.V. Oliefabriek Lichtervelde**
St. Pietersvliet 3, Bus. 9, 2000 Antwerp,
BELGIUM, Ph. 32/03/234-2700;
TLX: 31325 (SIBCI B).
**CONTACT:** A. Malvarosa

**SCHOKHI INDUSTRIALS PVT. LTD. ★**
143, Jolly Maker Chambers Two,
225 Nariman Point, Bombay 400021, INDIA,
Ph. 91/22/202-1320; TLX: 11-3078 (UTPA IN).
**CONTACT:** Nitin Goel, Dir.

**SCHOUTEN/GIESSEN N.V. ★**
Burgstraat 12, P.O. Box 1, 4284 ZG Giessen,
NETHERLANDS, Ph. 31/1832/1141; TLX: 21159.
Other office: Minneapolis, MN.
**CONTACT:** W. M. Dekker

**SIEGEL CHEMICAL EXPORT CORP. ★**
170 Broadway, Suite 806, New York, NY 10038,
Ph. 212/406-9200; TLX: ITT 4971712 (GULL);
TWX: 710-584-2369 (RICHARD NY).
**CONTACT:** Richard Siegel, Pres.

**SIMEX LTD.**
Mahatun Plaza Bldg., 17th Floor, 888/178
Ploenchit Rd., P.O. Box 1447, Bangkok 10500,
THAILAND, Ph. 02/253-5000; TLX: 82808 (SIMEX
TH).
**CONTACT:** Jalthong Patamapongs, Mgr. Dir.

**A.R. SMITH & COMPANY, INC. ★**
2217 152nd St., NE, Redmond, WA 98052,
Ph. 206/643-4515; TLX: WU 165025 (ARS).
**CONTACT:** Bruce Heyduck, Merchandiser

**SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) ★**
Plaza de Chamberi, 8, 7th Floor, 28010 Madrid,
SPAIN, Ph. 34/1/447-3013; TLX: 27216 (SIMSA
E). Other office: Santander, SPAIN.
**CONTACT:** Ignacio Aritio

**SOCIEDADE DE CAFES, CEREAL E AGROPECUARIAS LDA. (CAFAGRIL)**
Rua Andrade Corvo, 27-5º Dto., 1000 Lisbon,
PORTUGAL, Ph. 555168; TLX: 12550 (SOGEC).
**CONTACT:** Mario de Sousa

**SOCIETE MEDITERRANEENE POUR LES ECHANGES ET LES REALISATIONS COMMERCIALES (SOMERCOM) ★**
16, Place du Havre, 75009 Paris, FRANCE,
Ph. 1/4874-6505; TLX: 642142 (SOMETRA).
**CONTACT:** Raoul Gamon, Hubert Berrebi or
Wiliam Tahar

**JACOB STERN & SONS, INC. ★**
1464 E. Valley Rd., P.O. Box 50740,
Santa Barbara, CA 93150, Ph. 805/565-1411;
TLX: WU 658312 (JSTERN). Other offices:
Houston, TX; Houston Tank Storage Co.,
Houston, TX.
**CONTACT:** Philip Bernstein or Jeffrey Peeler

**SUMITOMO CORPORATION OF AMERICA ★**
345 Park Ave., New York, NY 10154,
Ph. 212/207-0690 or 207-0692; TLX: WU 12311
(SUMITOMO NYK); TWX: 710-581-4453.
**CONTACT:** N. Kumagai, Mgr.-Foodstuff Dept.

**JAMES P. THOL & CO. PTY. LTD. ★**
P.O. Box 1567, Cape Town 8000,
SOUTH AFRICA, Ph. 25/4042/419-1518;
TLX: 5-27747.
**CONTACT:** Abner Derman, Mgr. Dir.

**ALFRED C. TOEPFER INTERNATIONAL, INC. ★**
52 Duane St., 4th Floor, New York, NY 10007,
Ph. 212/766-8100; TLX: RCA 232297;
TWX: 710-581-4820.
**CONTACT:** Richardson B. Smith, Sr. VP

**TOURNEUR GRANDES CULTURES**
Zone Industrielle Nord, 1500 Ave. de Fonneuve,
8200 Montauban, FRANCE, Ph. 63/661043;
TLX: 521917 (TOURMON F).
**CONTACT:** Maurice Villa, Mktg. Dir.

**UNION OF AGRICULTURE, TRADE & INDUSTRY (UPI) ★**
JNA 20, 71000 Sarajevo, YUGOSLAVIA,
Ph. 071/35373; TLX: 41132.
**CONTACT:** Loza Dusan

**VEGOIL TRADING COMPANY LTD. ★**
Baarerstrasse 69, P.O. Box 2007, CH-6302 Zug,
SWITZERLAND, Ph. 042/223607;
TLX: 865265 (HAND CH).
**CONTACT:** Peter Suter, Trader

**VOEST ALPINE INTERTRADING**
Strasserau 6, P.O. Box 22, 4020 Linz, AUSTRIA,
Ph. 0732/2804; TLX: 22511 (VAI A).
Other office: Rio de Janeiro, BRAZIL.
**CONTACT:** Rudolf Wildauer

**WARSI TRADING CORPORATION ★**
2/44-46, Al-Yousuf Chambers, Sharah-e-Liaquat,
New Challi, Karachi, PAKISTAN, Ph. 218302 or
213173; TLX: 25330 (WARSI PK).
**CONTACT:** Syed Shafiuddin Ahmed

**WELLENS & CO. INC.**
6600 France Ave. S, Mineapolis, MN 55435,
Ph. 612/925-4600.
**CONTACT:** LeRoy Wellens, Pres.

**WILBUR-ELLIS COMPANY ★**
1200 Westlake Ave., N., Suite 1000, Seattle,
WA 98109, Ph. 206/284-1300; TLX: 277175
(WECO UR). Other office: Portland, OR.
**CONTACT:** R.W. Shepherd, Mgr.

**ZWEIFEL POMY-CHIPS LTD.** ★
Kesselstrasse 5, 8957 Spreitenbach,
SWITZERLAND, Ph. 0041/56/701250;
TLX: 826003 (CHIP CH).
**CONTACT:** Rolf Schmidhauser

## TRANSPORTATION

### BARGE LINES

**AGRI-TRANS CORPORATION**
10825 Watson Rd., P.O. Box 8550,
St. Louis, MO 63127, Ph. 314/965-4700;
TLX: 434298 (AGRI TRANS);
TWX: 910-760-1923 (AGRI TRANS).
**CONTACT:** William N. Robertson, Pres.

**AMERICAN COMMERCIAL BARGE LINE COMPANY** ★
1701 E. Market St., P.O. Box 610,
Jeffersonville, IN 47130, Ph. 812/288-0232.
**CONTACT:** Alan B. Hecht, Dir. Grain Freight Sales

**AUGUSTA BARGE COMPANY** ★
200 Campbell St., P.O. Box 524,
Augusta, AR 72006, Ph. 501/347-5911.
**CONTACT:** Murray L. Lockhart, Pres.

**CSX TRANSPORTATION** ★
100 N. Charles St., Suite 319, Baltimore,
MD 21201, Ph. 301/237-2728; TLX: 990024.
**CONTACT:** James A. Howarth, Dir. of Marketing-Grain Products

**CARGO CARRIERS**
**Div. of Cargill Marine & Terminal, Inc.**
15407 McGinty Rd., W., P.O. Box 9300,
Minneapolis, MN 55440, Ph. 612/475-6763;
TLX: 290625 (CARGILL MPS);
TWX: 910-576-2937.
**CONTACT:** Thomas A. Groves, VP & Sales Mgr.

**CONAGRA, INC.**
One Central Park Plaza, Omaha, NE 68102,
Ph. 402/978-4015. Other offices: worldwide.

**CONSOLIDATED GRAIN & BARGE COMPANY** ★
5100 Oakland Ave., St. Louis, MO 63110,
Ph. 314/658-9200; TLX: 442539 (CONSOL GRN BRG); TWX: 910-761-1060 (CONSOL GRN BRG).
**CONTACT:** Van Janssen, VP

**DRAVO MECHLING** ★
400 Poydras St., P.O. Box 52189,
New Orleans, LA 70152, Ph. 504/529-8616;
TWX: 810-951-6376 (DRAVO MEC NLN).
**CONTACT:** Joe Chiedo, Mgr. Grain Freight

**HUFFMAN TOWING COMPANY** ★
10 S. Brentwood Blvd., Clayton, MO 63105,
Ph. 314/726-2211; TLX: 434613;
TWX: 910-761-0521 (INLAND RI STL).
**CONTACT:** Donald C. Huffman, Exec. VP

**THE VALLEY LINE COMPANY** ★
120 S. Central, St. Louis, MO 63105,
Ph. 314/889-0100;
TWX: 910-761-0440 (VALLEY LINE).
**CONTACT:** Edward M. Hensley, Mgr. Grain Mktg.

### OCEAN FREIGHT LINES

**ACOMARIT SERVICES MARITIMES S.A.**
3, Rue du Mont-Blanc, C.P. 21, 1211 Geneva 1,
SWITZERLAND, Ph. 022/311600;
TLX: 42375200 (ACO CH).
Other offices: London and Hong Kong.
**CONTACT:** Joel Pupkin, Operations Mgr.

**CSX TRANSPORTATION** ★
100 N. Charles St., Suite 319, Baltimore,
MD 21201, Ph. 301/237-2728; TLX: 990024.
**CONTACT:** James A. Howarth, Dir. of Marketing-Grain Products

### RAILROAD COMPANIES

**AMERICAN COMMERCIAL BARGE LINE COMPANY**
1701 E. Market St., P.O. Box 610,
Jeffersonville, IN 47130, Ph. 812/288-0232;
TLX: 204327; TWX: 810-540-4990. Other offices: Chicago, IL; Memphis, TN; New Orleans, LA; Pittsburgh, PA.
**CONTACT:** R.H. O'Neill, Grain Sales

**BURLINGTON NORTHERN RAILROAD COMPANY** ★
3600 Continental Plaza, 777 Main St.,
Fort Worth, TX 76102, Ph. 817/878-2127 or 878-2145; TLX: 297025. Other offices: Denver, CO; Overland Park, KS; St. Paul, MN.
**CONTACT:** Gary M. Droubie, Sr. Asst. VP, Mktg.

**CSX TRANSPORTATION** ★
100 N. Charles St., Suite 319, Baltimore,
MD 21201, Ph. 301/237-2728; TLX: 990024.
**CONTACT:** James A. Howarth, Dir. of Marketing-Grain Products

**CANADIAN NATIONAL RAILWAYS**
935 de le Gauchetiere St., W., 9th Floor,
P.O. Box 8100, Montreal, Quebec H3C 3N4,
CANADA. Ph. 514/877-5821; TLX: 05-25256 (CN FRTRATE MTL). Other offices: Toronto and Winnipeg.
**CONTACT:** Ben G. Baker, Montreal (514/877-5118), Mike Purvis, Toronto (416/860-2643) or Larry Delavau, Winnipeg (204/944-2750).

**CHICAGO & NORTH WESTERN TRANSPORTATION COMPANY** ★
One North Western Center, Chicago, IL 60606,
Ph. 312/559-6842. Other offices: Cedar Rapids and Des Moines, IA; Omaha, NE.
**CONTACT:** D.C. Bergquist, VP-Grain Marketing & Pricing

**CONSOLIDATED RAIL CORPORATION (CONRAIL)** ★
6 Penn Center Plaza, Philadelphia, PA 19103-2959,
Ph. 215/977-5066; TLX: 834510 (CNRAILHQ PHA)
**CONTACT:** L.W. Foley, LOB Manager-Grain & Grain Products

**GRAND TRUNK WESTERN RAILROAD COMPANY ★**
131 W. Lafayette Blvd., Detroit, MI 48226,
Ph. 313/237-4541;
TLX: 230717 (GTW MKTG DETA).
**CONTACT:** William C. McMahon, Mkt. Mgr.-Grain & Food Products

**ILLINOIS CENTRAL GULF RAILROAD**
233 N. Michigan Ave., Chicago, IL 60601,
Ph. 312/565-1600. Other offices: New Orleans, LA; New York, NY; Memphis, TN.
**CONTACT:** S.G. Sutherland, Mktg. Mgr., Grain & Grain Products.

**KANSAS CITY SOUTHERN LINES ★**
114 W. 11th St., Kansas City, MO 64105,
Ph. 816/556-0303; TLX: 42327.
**CONTACT:** H. W. Davis, VP-Sales

**MISSOURI-KANSAS-TEXAS RAILROAD COMPANY ★**
420 Gimblin Rd., St. Louis, MO 63147,
Ph. 314/388-1205. Other office: Denison, TX.
**CONTACT:** A.L. O'Mary (214/465-2737).

**NORFOLK SOUTHERN CORP. ★**
204 S. Jefferson St., Roanoke, VA 24042-0069,
Ph. 703/985-6794.
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**CONTACT:** James A. Howarth, Dir. of Marketing-Grain Products

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**CONTACT:** Joseph Petrowski, VP

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**CONTACT:** Bill Rudloff, Exec. Dir.

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**CONTACT:** David Kashani, Gen. Mgr.

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TLX: MCI 6821288.
**CONTACT:** Lorenzo Savini

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**CONTACT:** Jack Hudgens, Mgr.

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PORTUGAL, Ph. 767521, 767522 or 767533;
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**CONTACT:** Joseph Petrowski, VP

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**CONTACT:** Philip Bernstein or Jeffrey Peeler

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**CONTACT:** Gregory F. Holt

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**CONTACT:** Bill Shurtleff, Director

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**CONTACT:** Ronald M. Jacob, VP

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**CONTACT:** Roger Catala

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**CONTACT:** Harry Stine

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**CONTACT:** D. H. McLeay, Gen. Mgr.

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4735 Sergeant Rd., Waterloo, IA 50701,
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**CONTACT:** Macon office, TLX: 350935

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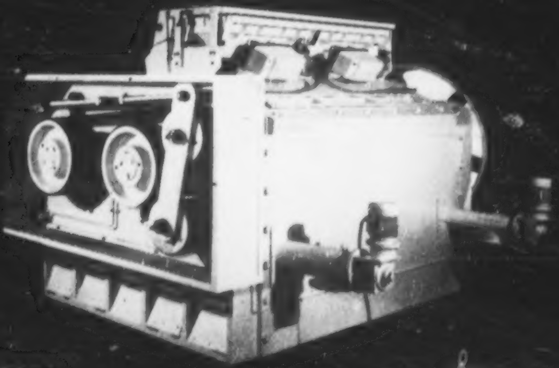

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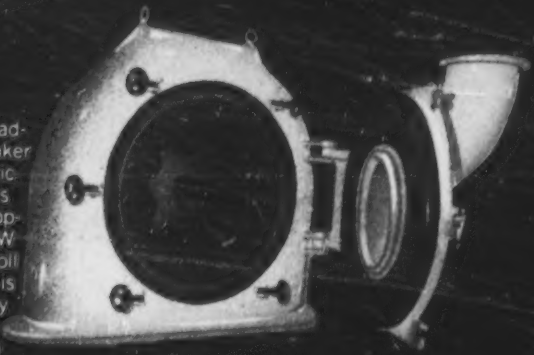

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TLX: 31600 (GHZOAN B).
**CONTACT:** Pablo Saeys

**JACOB HARTZ SEED COMPANY ★**
North Park Ave., P.O. Box 946, Stuttgart,
AR 72160, Ph. 501/673-8565 or 800/932-7333;
TWX: 910-720-6244 (HARTZSEED).
**CONTACT:** Keith Thompson

**HOPKINS GRANARY INC.**
611 Federal St., P.O. Box 215, Milton, DE 19968,
Ph. 302/684-8525.
**CONTACT:** Laura J. Hopkins

**SAM HUEY COMPANY ★**
645 S. Atlantic Ave., Cocoa Beach, FL 32931,
Ph. 305/783-2091; TLX: 564341 (HUEY CO CCO).
Other offices: Identity Seed & Grain, Bloomington,
IL; Mila Marine Services, Inc., Harahan, LA.
**CONTACT:** Sam Huey, Pres.

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
Praca Osvaldo Cruz, 15-16°, P.O. Box 2016,
Porto Alegre, RS, 90030, BRAZIL,
Ph. 0512/21-2200; TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.

**KING AGRO INC. ★**
P.O. Box 1088, Chatham, Ont. N7M 5L6,
CANADA, Ph. 519/354-3210; TLX: 064-78548
(KING CHAT). Other office: Blissfield, MI.
**CONTACT:** Frank Scott-Pearse, Dir. of Research

**MIDWEST SOYA INTERNATIONAL, INC. (MSI) ★**
814 N. 5th St., P.O. Box 537, Clear Lake,
IA 50428, Ph. 515/357-6131;
TLX: 439080 (MIDWT SOY MACY)
**CONTACT:** Kim Pleggenkuhle, Mgr.

**NICKERSON AMERICAN PLANT BREEDERS**
5201 Johnson Dr., P.O. Box 2955, Mission, KS
66201, Ph. 913/384-4940. Other offices:
Bloomington, IL; Mitchell, IN; Tekama, NE.
**CONTACT:** John Edlin, Mktg. Mgr.—Soybeans

**PACIFIC SOYBEAN & GRAIN, INC. ★**
495 DeHaro St., San Francisco, CA 94107,
Ph. 415/863-0867; TLX: RCA 299802 (EWINCO).
**CONTACT:** Daniel Burke, Pres.

**PIONEER HI-BRED INTERNATIONAL, INC.**
5721 Merle Hay Rd., Suite 28, P.O. Box 373,
Johnston, IA 50131, Ph. 515/270-3789.
**CONTACT:** Leslie F. Miller

**PRO-SEED, INC. ★**
236 Sugar St., P.O. Box 55, Blissfield,
MI 49228, Ph. 517/486-3520; TLX: 241046
(SEAWAY FWD TOL).
**CONTACT:** Ronald M. Jacob, VP

**RUSTICA SEMENCES ★**
Centre de Sandreau, Mondonville, 31700 Blagnac,
FRANCE, Ph. 6185-3636 or 6185-2871;
TLX: 520505 (RUSTICA).
Other offices: Rustica Italia, San Daniele, ITALY;
RS Sacon Pflanzenzucht, Hamburg, FED. REP. OF
GERMANY.
**CONTACT:** Roger Catala

**SANDERS ELEVATOR CORP. ★**
North Sharpe Ave., P.O. Box 1169,
Cleveland, MS 38732, Ph. 601/843-2394.
**CONTACT:** Sonny King

**J.M. SCHULTZ SEED COMPANY ★**
105 Pine St., P.O. Box 211, Dieterich,
IL 62424-0211, Ph. 217/925-5212;
TWX: 910-663-2660 (SCHULTZ DTRK).
**CONTACT:** Ken Fearday, Pres.

**SPECIALTY GRAINS, INC. ★**
3001 Gill St., Bloomington, IL 61701,
Ph. 309/662-8721;
TLX: WU 317300 (SGI BLOOM IL UD).
**CONTACT:** Curt Haynes or John Trewartha

**STINE SEED COMPANY ★**
R.R. 3, Box 204, Adel, IA 50003,
Ph. 515/677-2605.
**CONTACT:** Harry Stine

**STRAYER SEED FARMS, INC. ★**
162 West 58, Hudson, IA 50643,
Ph. 319/988-4187; TWX: 910-520-2010
(TELEWORLD WDMS).
**CONTACT:** Dennis Strayer, Gen. Mgr.

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## SUPPLIERS OF SOYBEANS FOR FOOD USE

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**AGRO EXPORTS, INC. ★**
207 W. Hickory, Suite 210, P.O. Box 2820,
Denton, TX 76202, Ph. 817/382-2594;
TLX: 730649 (EXPORT DENT). Other office:
Daltex International, Panama City, PANAMA.
**CONTACT:** Martin Blair, Pres.

**THE ANDERSONS ★**
1200 Dussel Dr., P.O. Box 119,
Maumee, OH 43537, Ph. 419/893-5050;
TWX: 810-449-2692 (ANDRSN MAUMEE).
**CONTACT:** Maurice Boeding

**BIOTROPHES LTD. ★**
45 Alopekis St., Athens 10676, GREECE,
Ph. 0030/1/724-9525; TLX: 218671 (PHAL GR).
**CONTACT:** John Lewis

**CHERWELL VALLEY SILOS LTD. ★**
Twyford, Banbury, Oxfordshire OX17 3AA,
ENGLAND, Ph. 0295/811411; TLX: 83477
(CVSBAN G). Other office: Dieppe, FRANCE.
**CONTACT:** James Hoy

**CICAM S.R.L. ★**
Via G. Cavalcanti n. 14, 20127 Milan, ITALY,
Ph. 02/289-4415 or 282-0694;
TLX: 315498 (CICAM I).
**CONTACT:** Mrs. E. Gioria

**CORSON SEEDS INTERNATIONAL LTD. ★**
415 Gladstone Rd., P.O. Box 1046, Gisborne,
NEW ZEALAND, Ph. 64/079/79757;
TLX: 30027 (CORSON NZ).
Other offices: Auckland and Sanson.
**CONTACT:** D. H. McLeay, Gen. Mgr.

**COUNTRY BRAND SEEDS, INC. ★**
4735 Sergeant Rd., Waterloo, IA 50701,
Ph. 319/233-5504;
TLX: 465650 (DUNN INTL ALO).
**CONTACT:** James E. Dunn, Pres.

**DALSACE FRERES S.A.**
38, Rue du Louvre, 75001 Paris, FRANCE,
Ph. 33/1/4236-6451; TLX: 210858 (DALSA F).
Other offices: Dalsace Freres, 3 Bldg. de la Liberte,
71000 Macon, FRANCE; Dalspain, Calle Aires 109,
Aguilas (Murcia), SPAIN.
**CONTACT:** Macon office, TLX: 350935

**DUNN INTERNATIONAL, LTD. ★**
4735 Sergeant Rd., Waterloo, IA 50701,
Ph. 319/233-5504;
TLX: 465650 (DUNN INTL ALO).
**CONTACT:** James E. Dunn, Pres.

**EDEN FOODS, INC. ★**
701 Tecumseh Rd., Clinton, MI 49236,
Ph. 313/973-9400. Other office: San Francisco, CA.
**CONTACT:** Cliff Alder, Pres.

**FLAVORITE LABORATORIES**
P.O. Box 1315, Memphis, TN 38101,
Ph. 601/393-3610.
**CONTACT:** Customer Service

**GRUPO INTERAMERICANO C.A. ★**
Av. Los Jabillos, Centro Bancor Piso and Sabana
Grande, P.O. Box 1846, Caracas 1010, VENEZUELA,
Ph. 02/716813 or 716816; TLX: 24578.
**CONTACT:** Marilu Ravelo, Commercial Mgr.

**JACOB HARTZ SEED COMPANY ★**
North Park Ave., P.O. Box 946, Stuttgart, AR
72160, Ph. 501/673-8565 or 800/932-7333;
TWX: 910-720-6244 (HARTZSEED).
**CONTACT:** Keith Thompson

**HONG GUAN HUAT KEE ★**
No. 2, Lorong 24A, Geylang Rd.,
Singapore 1439, REP. OF SINGAPORE,
Ph. 7444808 or 7445711.
**CONTACT:** Hong Nguang Tan

**SAM HUEY COMPANY ★**
645 S. Atlantic Ave., Cocoa Beach, FL 32931,
Ph. 305/783-2091; TLX: 564341 (HUEY CO CCO).
Other offices: Identity Seed & Grain, Bloomington,
IL; Mila Marine Services, Inc., Harahan, LA.
**CONTACT:** Sam Huey, Pres.

**IDENTITY SEED & GRAIN COMPANY ★**
1226 Towanda Ave., Suite 33, Bloomington, IL
61701, Ph. 309/827-7333; TWX: 910-380-9735
(ISG CO).
**CONTACT:** David R. Kemmerer, Exec. VP

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Hamburg, FED. REP. OF GERMANY,
Ph. 06172/22046; TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.

**KING GRAIN (1985) LTD. ★**
P.O. Box 1088, Chatham, Ont. N7M 5L6,
CANADA, Ph. 519/354-5900; TLX: 064-78548.
**CONTACT:** Adrian Vande Wal, Export Mgr.

**LIVING FARMS ★**
187 4th St., P.O. Box 50, Tracy, MN 56175,
Ph. 507/629-4431; TLX: 467208 (L FARMS).
**CONTACT:** Ardell Anderson

**MIDWEST SOYA INTERNATIONAL, INC. (MSI) ★**
814 N. 5th St., P.O. Box 537, Clear Lake,
IA 50428, Ph. 515/357-6131;
TLX: 439080 (MIDWT SOY MACY)
**CONTACT:** Kim Pleggenkuhle, Mgr.

**PACIFIC SOYBEAN & GRAIN, INC. ★**
495 DeHaro St., San Francisco, CA 94107,
Ph. 415/863-0867; TLX: RCA 299802 (EWINCO).
**CONTACT:** Daniel Burke, Pres.

**PROTEA CHEMICAL SERVICES PTY. LTD. ★**
Dyson Rd., Wadeville Ext. 1, Private Bag X-1051,
Germiston, Transvaal 1400, SOUTH AFRICA,
Ph. 27/011/824-2020; TLX: 450228 (PCS). Other
offices: Cape Town, Durban and Port Elizabeth.
**CONTACT:** Henk Egberink, Mgr. Dir.

**J.M. SCHULTZ SEED COMPANY ★**
105 Pine St., P.O. Box 211, Dieterich,
IL 62424-0211, Ph. 217/925-5212;
TWX: 910-663-2660 (SCHULTZ DTRK).
**CONTACT:** Ken Fearday, Pres.

**SIMEX LTD.**
Mahatun Plaza Bldg., 17th Floor,
888/178 Ploenchit Rd., P.O. Box 1447,
Bangkok 10500, THAILAND, Ph. 02/253-5000;
TLX: 82808 (SIMEX TH).
**CONTACT:** Jalthong Patamapongs, Mgr. Dir.

**SPECIALTY GRAINS, INC. ★**
3001 Gill St., Bloomington, IL 61701,
Ph. 309/662-8721;
TLX: WU 317300 (SGI BLOOM IL UD).
**CONTACT:** Curt Haynes or John Trewartha

**STINE SEED COMPANY ★**
R.R. 3, Box 204, Adel, IA 50003,
Ph. 515/677-2605.
**CONTACT:** Harry Stine

**STRAYER SEED FARMS, INC. ★**
162 West 58, Hudson, IA 50643,
Ph. 319/988-4187; TWX: 910-520-2010
(TELEWORLD WDMS).
**CONTACT:** Dennis Strayer, Gen. Mgr.

**ZWEIFEL POMY-CHIPS LTD. ★**
Kesselstrasse 5, 8957 Spreitenbach,
SWITZERLAND, Ph. 0041/56/701250;
TLX: 826003 (CHIP CH).
**CONTACT:** Rolf Schmidhauser

# Exporters of Soybeans & Soybean products

★ Updated listing

### UNITED STATES

**AMB ASSOCIATES**
P.O. Box 5050, Montgomery, AL 36103,
Ph. 205/361-1338; TLX: RCA 284720
(AMB MGY) or WUI 508170 (AMB MGY).
**CONTACT:** A.M. Bazzy, Pres.
**Soybean seed.**

**AG PROCESSING INC. ★**
11235 Davenport St., Omaha, NE 68154,
Ph. 402/334-8010; TLX: 750447 (AGP OMA),
TWX: 910-997-0398.
**CONTACT:** Joe Meyer
**Soybeans, soybean meal, hulls, degummed soybean oil and refined soybean salad oil.**

**AGRICULTURAL EXPORTS, INC.**
411 5th St., P.O. Box 178, Hudson, IA 50643,
Ph. 319/988-4593; TLX: 465653 (SOYPRO).
**CONTACT:** Jeanne M. Strayer, VP
**Soybeans for seed or food use.**

**AGRO EXPORTS, INC. ★**
207 W. Hickory, Suite 210, P.O. Box 2820,
Denton, TX 76202, Ph. 817/382-2594,
TLX: 730649 (EXPORT DENT). Other office:
Daltex International, Panama City, PANAMA.
**CONTACT:** Martin Blair, Pres.
**Soybean seed, soybean meal, millfeed and flour.**

**AMBER, INC. ★**
220 White Plains Rd., Tarrytown, NY 10591,
Ph. 914/332-5550; TLX: WU 317784
(AMBER TARY).
**CONTACT:** Phil C. Horldt, Pres.
**Soybeans and soybean oil.**

**AMERICAN LECITHIN CO. ★**
451 Stephens St., SW, P.O. Box 4056,
Atlanta, GA 30302, Ph. 404/522-7060.
Other office: Woodside, NY.
**CONTACT:** Joseph Eichberg, Pres.
**Lecithin.**

**THE ANDERSONS ★**
1200 Dussel Dr., P.O. Box 119,
Maumee, OH 43537, Ph. 419/893-5050,
TWX: 810-449-2692 (ANDRSN MAUMEE).
**CONTACT:** Maurice Boeding
**Soybeans and food purpose specialty soybeans.**

**CAISSE INTERNATIONAL LTD.**
234 Fifth Ave., New York, NY 10001,
Ph. 212/696-1310; TLX: 428625 (MARSHALL)
**CONTACT:** Colin E. Mukete, Managing Dir.
**Soybean meal, oil, lecithin, flour, animal feeds; corn meal, oil; rice; wheat; agricultural chemicals.**

**CIGRA INCORPORATED**
Sears Tower, Suite 7616, 233 S. Wacker Dr.,
Chicago, IL 60606, Ph. 312/993-9811,
TWX: 910-221-2586. Other offices: New York,
NY; Portland, OR.
**CONTACT:** Paul S. Sakai
**Soybeans, soybean meal, soybean oil.**

**COMSHIPCO INTERNATIONAL, INC. ★**
6800 France Ave., S., Suite 674, Edina, MN 55435,
Ph. 612/929-4468; TLX: 6879112 (CMSHP). Other
offices: Norcom Export Inc., Minneapolis, MN;
Combined Shipping & Trading, London,
ENGLAND.
**CONTACT:** John Burritt
**Soybeans, soybean meal, soybean oil.**

**CONTINENTAL GRAIN COMPANY ★**
277 Park Ave., New York, NY 10172,
Ph. 212/207-5548; TLX: 125708 (CONGRAIN
NYK).
**CONTACT:** Lyle D. Pauley
**Soybean meal, soybean oil.**

**COUNTRY BRAND SEEDS, INC. ★**
4735 Sergeant Rd., Waterloo, IA 50701,
Ph. 319/233-5504;
TLX: 465650 (DUNN INTL ALO).
**CONTACT:** James E. Dunn, Pres.
**Soybean seed, varietal pure soybeans, soybean meal, soy protein.**

**DEKALB-PFIZER GENETICS ★**
3100 Sycamore Rd., DeKalb, IL 60115,
Ph. 815/756-7333; TLX: 843-410507. Other office:
DeKalb Italiana, Venezia-Mestre, ITALY.
**CONTACT:** Donna Geddeis
**Soybean seed varieties, maturity group O through IV.**

**DUNN INTERNATIONAL, LTD. ★**
4735 Sergeant Rd., Waterloo, IA 50701,
Ph. 319/233-5504; TLX: 465650 (DUNN INTL
ALO).
**CONTACT:** James E. Dunn, Pres.
**Soybean seed, varietal pure soybeans, soybean meal, soy protein.**

**DURKEE INDUSTRIAL FOODS CORP. ★**
925 Euclid Ave., Cleveland, OH 44115,
Ph. 216/344-8500; TLX: 823062 (DURKEE UF).
**CONTACT:** R.T. Arkes (216/344-8162)
**Hard butters, shortenings, salad oils, stearines, emulsifiers.**

**EDEN FOODS, INC. ★**
1701 Tecumseh Rd., Clinton, MI 49236,
Ph. 313/973-9400. Other office: San Francisco, CA.
**CONTACT:** Cliff Adler, Pres.
**Organically grown soybeans, EDENSOY soy beverage.**

**FLAVORITE LABORATORIES**
P.O. Box 1315, Memphis, TN 38101,
Ph. 601/393-3610.
**CONTACT:** Customer Service
**Soy isolate, concentrate; textured soy flour; seasoning blends of all items.**

**FOOD INGREDIENTS, INC. ★**
1550 E. Higgins Rd., Suite 130, P.O. Box 1557,
Elk Grove Village, IL 60007-1557,
Ph. 312/439-3200; TLX: 206804 (FOOD INGR).
**CONTACT:** H.S. Villars, Pres.
**Full fat soy flour.**

**FREEDOM FARMS, INC. ★**
715 N. Finn Dr., Algona, IA 50511,
Ph. 515/295-3537.

**CONTACT:** Kirk B. Stauss, Pres.
**Clean soybeans, soy snack foods, soy cereal foods, soy pet foods.**

**GRAIN PROCESSING CORPORATION**
1600 Oregon St., Muscatine, IA 52761,
Ph. 319/264-4265, TLX: 468497.
**CONTACT:** Tom Wiesner
**Isolated soy protein.**

**SAM HUEY COMPANY ★**
645 S. Atlantic Ave., Cocoa Beach, FL 32931,
Ph. 305/783-2091; TLX: 564341 (HUEY CO CCO).
Other offices: Identity Seed & Grain, Bloomington, IL; Mila Marine Services, Inc., Harahan, LA.
**CONTACT:** Sam Huey, Pres.
**Soybean seed and soybeans for food use.**

**IDENTITY SEED & GRAIN COMPANY ★**
1226 Towanda Ave., Suite 33, Bloomington, IL 61701, Ph. 309/827-7333; TWX: 910-380-9735 (ISG CO)
**CONTACT:** David R. Kemmerer, Exec. VP
**Soybeans for tofu, natto, sprouting and miso.**

**INARI, LTD. ★**
200 State St., Mason, MI 48854,
Ph. 517/676-3836; TLX: 494748.
**CONTACT:** Leonard Stuttman, Pres.
**Soynuts, granulated soynuts, soynut butter and soy/sesame butter.**

**INTERNATIONAL PROTEINS CORP.**
123 Fairfield Rd., P.O. Box 1169, Fairfield, NJ 07006, Ph. 201/227-2710.
**CONTACT:** Gregory F. Holt
**Soybean meal.**

**LIVING FARMS ★**
187 4th St., P.O. Box 50, Tracy, MN 56175,
Ph. 507/629-4431; TLX: 467208 (L FARMS).
**CONTACT:** Ardell Anderson
**Organically grown soybeans for food use.**

**B.S. LIVINGSTON & CO., INC.**
60 E. 42nd St., New York, NY 10165,
Ph. 212/867-9020; TLX: RCA 234362 (BENJESSLIV).
**CONTACT:** JoAnn Milas
**Bagged soybean meal.**

**MARUBENI AMERICA CORPORATION ★**
200 Park Ave., New York, NY 10166,
Ph. 212/599-3755; TWX: 710-581-3629 (MARUBENI NYK). Other offices: San Francisco, CA; St. Louis, MO; Buenos Aires, ARGENTINA, Sao Paulo, BRAZIL.
**CONTACT:** Kenj Gokyu, Mgr. Soybean Dept.
**Soybeans, soybean meal, soybean oil.**

**MAYWOOD HOLDINGS, INC. ★**
5333 River Rd., New Orleans, LA 70123,
Ph. 504/436-2000; TLX: MCI 6821248 or 6821294 (MAYWOOD).
**CONTACT:** Jacques Brazy, Pres.
**Soybeans, soybean meal, soybean oil.**

**MIDWEST SOYA INTERNATIONAL, INC. (MSI) ★**
814 N. 5th St., P.O. Box 537,
Clear Lake, IA 50428, Ph. 515/357-6131;
TLX: 439080 (MIDWT SOY MACY).

**CONTACT:** Kim Pleggenkuhle, Mgr.
**Beeson, Corsoy and Vinton soybeans.**

**MITSUI GRAIN CORPORATION ★**
965 Ridge Lake Blvd., Memphis, TN 38119,
Ph. 901/685-3717; TLX: WU 533154 (MITSUI MFS).
**CONTACT:** Shogo Suzuki, Asst. Gen. Mgr.
**Soybeans, soybean meal, soybean oil.**

**NKS EUROTRADE (N.Y.) INC. ★**
100 Merrick Rd., Suite 514-E, Rockville Centre, NY 11570, Ph. 516/764-8080;
TLX: ITT 422645 (NKS UI).
**CONTACT:** Chris Christodoulou, Gen. Mgr.
**Soybeans, soybean meal, corn, animal feeds.**

**NISSHO IWAI AMERICAN CORPORATION ★**
1211 Avenue of the Americas, New York, NY 10036,
Ph. 212/704-6843; TLX: WU 127090 (NIAC NYK).
Other office: Tokyo, JAPAN.
**CONTACT:** Mitsuyuki Nishimura, Mgr.
**Soybeans, soybean meal, oil and flour.**

**PACIFIC SOYBEAN & GRAIN INC. ★**
495 DeHaro St., San Francisco, CA 94107,
Ph. 415/863-0867; TLX: RCA 299802 (EWINCO)
**CONTACT:** Daniel Burke, Pres.
**Soybeans and organically-grown soybeans. Specializing in varieties for soyfoods manufacturing. Bulk or bagged containerized shipments.**

**THE PILLSBURY COMPANY ★**
Pillsbury Center, M.S. 3674,
Minneapolis, MN 55402, Ph. 612/330-4254;
TLX: MCI 6879040 (PILLS UW).

SHC

SAM HUEY COMPANY

Variety Soybeans and Corn
Bulk - Bagged - Container

Corn By-Product Pellets

Variety corn for the food and starch industry

645 S. Atlantic Avenue
Cocoa Beach, Florida 32931

Phone: (305) 783-2091

FAX: (305) 783-9894
Telex: 564341

**CONTACT:** Myron W. Achenbach, Mgr. Export Feed
**Soybeans, soybean hulls and meal.**

**PROMEX INTERNATIONAL TRADING, INC. ★**
350 Fifth Ave., New York, NY 10118,
Ph. 212/868-3394; TLX: WU 620014 (DELTA) or 6973145 (PRMX). Other office: ESRA Dis Tic, Istanbul, TURKEY.
**CONTACT:** M. Uca or K. Gungor
**Soybeans and soybean seed to Turkey.**

**RICELAND FOODS, INC. ★**
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501/673-5500; TLX: 240064 (RLND UR); TWX: 910-720-6240 (ARK GRAIN CO).
**CONTACT:** James K. Smith, VP Commodity Mktg.
**Soybean oil, lecithin.**

**SIEGEL CHEMICAL EXPORT CORP. ★**
170 Broadway, Suite 806, New York, NY 10038,
Ph. 212/406-9200; TLX: ITT 4971712 (GULL);
TWX: 710-584-2369 (RICHARD NY).
**CONTACT:** Richard Siegel, Pres.
**Soybeans, soybean meal, soybean oil.**

**A.R. SMITH & COMPANY, INC. ★**
2217 152nd St., NE, Redmond, WA 98052,
Ph. 206/643-4515; TLX: WU 165025 (ARS).
**CONTACT:** Bruce Heyduck, Merchandiser
**Containerized soybeans and soybean meal.**

**STRAYER SEED FARMS, INC. ★**
162 West 58, Hudson, IA 50643, Ph. 319/988-4187;
TWX: 910-520-2010 (TELEWORLD WDMS).
**CONTACT:** Dennis Strayer, Gen Mgr.
**Soybean seed, soybeans for food use, split/dehulled soybeans; specialty soybean varieties.**

**ALFRED C. TOEPFER INTERNATIONAL, INC. ★**
52 Duane St., 4th Floor, New York, NY 10007,
Ph. 212/766-8100; TLX: RCA 232297;
TWX: 710-581-4820.
**CONTACT:** Richardson B. Smith, Sr. VP
**Soybean meal, soybean oil.**

## BELGIUM

**GRAINES & HUILES ZADEN & OLIEN N.V. ★**
St. Pietersvliet 3, Bus. 13, 2000 Antwerp,
Ph. 32/03/234-2535; TLX: 31600 (GHZOAN B).
**CONTACT:** Pablo Saeys
**Crude and refined soybean oil.**

**SIB N.V.**
**Affiliate of N.V. Oliefabriek Lichtervelde**
St. Pietersvliet 3, Bus. 9, 2000 Antwerp,
Ph. 32/03/234/2700; TLX: 31325 (SIBCI B).
**CONTACT:** A. Malvarosa
**Crude degummed soybean oil.**

## BRAZIL

**CEVAL AGRO INDUSTRIAL S.A.**
Rodovia Jorge Lacerda, s/n°, Gaspar,
Santa Catarina 89110, Ph. 0473/32-0211;
TLX: 0473-235.
**CONTACT:** Cesar Augusta Jorraber
**Soybeans, soybean meal, crude and refined soy oil.**

**INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA)**
Praca Osvaldo Cruz, 15-16°, P.O. Box 2016,
Porto Alegre, RS, 90030, Ph. 0512/21-2200;
TLX: 051-1225 (OLVE BR).
**CONTACT:** Hans Hajo Grun, Comm. Dir.
**Soybean meal, crude degummed and fully refined oil, hydrosoluble soybean extract, soy sterols and tocopherols.**

**INDUSTRIAS J.B. DUARTE S.A. ★**
Rua dos Patriotas, 1382, P.O. Box 1002,
Sao Paulo, SP, 04207, Ph. 55/11/274-8211;
TLX: 11-21226, 33172 or 36622 (IJBD BR).
**CONTACT:** Archimedes Jorge Cortellazzi
**Soybeans; soybean meal; crude degummed, fully refined and cooking/salad oil; lecithin; shortening; tocopherols.**

**RESEGUE INDUSTRIA E COMERCIO S.A.**
Rua Maria Paula, 88, P.O. Box 3991,
Sao Paulo, SP, 01319, Ph. 011/259-2000;
TLX: 24762 or 25303 (IROV BR).
**CONTACT:** Pedro Laercio Fancio, Mgr.
**Soybean meal/pellets, soybean oil, laundry soap.**

## CANADA

**KING GRAIN (1985) LTD. ★**
P.O. Box 1088, Chatham, Ont. N7M 5L6,
Ph. 519/354-5900; TLX: 064-78548.
**CONTACT:** Adrian Vande Wal, Export Mgr.
**White hilum soybeans for soyfoods manufacture; bulk or bagged, containerized shipments.**

## ENGLAND

**CHERWELL VALLEY SILOS LTD. ★**
Twyford, Banbury, Oxfordshire OX17 3AA,
Ph. 0295/811441; TLX: 83477 (CVSBAN G).
Other office: Dieppe, FRANCE.
**CONTACT:** James Hoy
**SOYJOY and SOYJOY MAXIM full fat soybean meal.**

**NKS EUROTRADE (UK) LTD. ★**
3 Regent St., P.O. Box 160, London SW1Y 4NR,
Ph. 44/1/930-7651; TLX: 8813508 (NKSLDN G).
**CONTACT:** L.G. Wyatt, Group Trading Mgr.
**Soybeans, soybean meal.**

**SPILLERS PREMIER PRODUCTS LTD. ★**
Puckeridge, Ware, Hertfordshire SG11 1RW,
Ph. 44/920/821291; TLX: 81352 (SPP G).
**CONTACT:** Paul Blacklin, Export Mgr.
**TRUSOY (heat treated full fat soy flour) and BREDSOY (enzyme active full fat soy flour).**

## FEDERAL REPUBLIC OF GERMANY

**NOBLEE & THORL GmbH ★**
Seehafenstrasse 24, P.O. Box 901040,
D-2100 Hamburg 90, Ph. 766930;
TLX: 217713 (NOBL D).
**CONTACT:** Rolf Spindler, Purch. Mgr.
**Refined and hardened soybean oil.**

### FRANCE

**RUSTICA SEMENCES ★**
Centre de Sandreau, Mondonville, 31700 Blagnac,
Ph. 6185-3636 or 6185-2871;
TLX: 520505 (RUSTICA).
Other offices: Rustica Italia, San Daniele, ITALY;
RS Sacon Pflanzenzucht, Hamburg, FED. REP. OF GERMANY.
**CONTACT:** Roger Catala
**Soybean seed.**

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
30 Rue des Peupliers, 92000 Nanterre,
Ph. 4784-4179; TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**Soy flour, grits, shortening, bread mixes.**

**TOURNEUR GRANDES CULTURES**
Zone Industrielle Nord, 1500 Ave. de Fonneuve,
82000 Montauban, Ph. 63/661043;
TLX: 521917 (TOURMON F).
**CONTACT:** Maurice Villa, Mktg. Dir.
**Soybean seed.**

### GUATEMALA

**ALIMENTOS S.A. ★**
Km. 14½, Carretera a el Salvador, Apartado
Postal No. 8, Puerta Parada, Guatemala City,
Ph. 301268; TLX: 4182 (CERCEN GU).
**CONTACT:** Carlos F. Tejada, Gen. Mgr.
**Textured soy.**

### INDIA

**FLOUR & FOOD LTD. ★**
10-11 Yeshwant Niwas Rd., Indore 452003, M.P.,
Ph. 91/731/37365; TLX: 735216 (FOOD IN) or
735378 (ALSO IN). Other office: Bombay.
**CONTACT:** S.G. Bhandari or R.K. Maru.
**Soybean meal.**

**KAPIL AGRO LTD. ★**
36, Chowringhee Rd., Calcutta 700071,
Ph. 91/33/291758 or 295371; TLX: 021-7412
(IJCA IN).
**CONTACT:** H. K. Jalan, Dir.
**Deoiled soybean meal.**

**PREMIER EXTRACTIONS LTD.**
107 Chetak Centre, 12/2 R.N.T. Marg,
Indore 452001, M.P., Ph. 91/0731/5989 or 38705;
TLX: 735306 (PREM IN).
**CONTACT:** G.L. Agrawal or R.K. Agrawal
**Soybean extraction.**

**SCHOKHI INDUSTRIALS PVT. LTD. ★**
143, Jolly Maker Chambers Two,
225 Nariman Point, Bombay 400021,
Ph. 91/22/202-1320; TLX: 11-3078 (UTPA IN).
**CONTACT:** Nitin Goel, Dir.
**Soybean meal.**

### IRELAND

**NORTH WEST SILOS LTD. ★**
37/41 High St., Belfast BT1 2AB,
Ph. 11/44232/322479; TLX: 74102 (RUSMAC G).
**CONTACT:** Denis H. Cooley
**Full fat soybean meal.**

### KOREA

**CHEIL SUGAR & CO., LTD. ★**
Dong Bang Main Bldg., 17th Floor, 150, 2-Ka,
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Kinam Bldg., 10th Floor, San 75-31,
Yeoksam-dong, Kangnam-ku, Seoul 135,
Ph. 82/02/533-0821;
TLX: 0801-29560 (VEGEMIL).
**CONTACT:** C. Hwang
**Soy beverages.**

## NETHERLANDS

**CENTRAL SOYA OVERSEAS B.V.** ★
**Chemurgy Division**
Veerlaan 17-23, P.O. Box 5063,
3008 AB Rotterdam, Ph. 010/423-9600;
TLX: 20041 (CNSOY NL).
**CONTACT:** Customer Service
**Soy flour, concentates, lecithin.**

**SCHOUTEN/GIESSEN N.V.** ★
Burgstraat 12, P.O. Box 1, 4284 ZG Giessen (NBR),
Ph. 31/1832/1141; TLX: 21159.
Other office: Minneapolis, MN.
**CONTACT:** W. M. Dekker
**SOYAX toasted full fat soybeans.**

## NORWAY

**A/S DENOFA OG LILLEBORG FABRIKER** ★
Sandakerveien 56, P.O. Box 4236, 0401 Oslo 4,
Ph. 47/02/220050; TLX: 71181.
**CONTACT:** Odd R. Bjornstad
**Soybean meal, soybean oil, lecithin.**

## PORTUGAL

**COMPANHIA DE OLEAGINOSAS DO TEJO SARL (TAGOL)**
Av. Republica, 44-7°, 1000 Lisbon,
Ph. 767521, 767522 or 767533;
TLX: 14187 (TAGOL P).
**CONTACT:** Manual Mourao, Dir.
**Soybean meal, crude degummed oil.**

**SIMAO & COMPANHIA COMERCIO E INDUSTRIA SARL**
Rua dos Douradores, 135 3°, 1100 Lisbon,
Ph. 879586, 879587 or 878256;
TLX: 18398 (SIMAO P).
**CONTACT:** Luis Simao, Export Mgr.

## SOUTH AFRICA

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**TVP based soups, gravies and stews.**

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**OLEAGINOSAS ESPANOLAS S.A. (OESA)** ★
Nunez de Balboa, 108, P.O. Box 2426,
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or 46918 (OLEA E). Other office: Barcelona.
**CONTACT:** Jose Ferrer Berta
**Soybean meal, soybean oil, lecithin.**

**SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA)** ★
Plaza de Chamberi, 8, 7th Floor, 28010 Madrid,
Ph. 34/1/447-3013; TLX: 27216 (SIMSA E).
Other office: Santander.
**CONTACT:** Ignacio Aritio
**Soybean meal, crude degummed and fully refined soybean oil, soybean lecithin.**

## SWITZERLAND

**ACSAL S.A.** ★
**Affiliate of Unilever, London and Rotterdam**
38 Petit Chene, P.O. Box 060, CH-1003 Lausanne,
Ph. 021/201095. Other office: Anderson, Clayton
S.A., Sao Paulo, BRAZIL.
**CONTACT:** Gerhard de Buys Roessingh, Gen. Mgr.
**Soybeans, soybean meal, oil and pellets.**

**ESTEVE S.A.** ★
52 Avenue de la Gare, P.O. Box 551,
CH-1001 Lausanne, Ph. 021/204781;
TLX: 454972 (ESTV CH).
**CONTACT:** Robert Naef
**Soybeans.**

## TAIWAN

**FWU SOW GRAIN PRODUCTS CO., LTD.**
45, Sha-Tyan Rd., Sha-Lu 43306, Taichung,
Ph. 886/046/362111; TLX: 22237 (FWUSOW).
**CONTACT:** Chia Yuh Trading Co., Ltd.,
70, Ningpo St., Taipei
**Soybean lecithin.**

**GREAT WALL ENTERPRISE CO., LTD.** ★
No. 3, Niao-Sung 2nd St., Niao-Sung Village,
Yung-kung Hsiang, Tainan Hsien 71004,
Ph. 06/253-1111; TLX: 71351 (GREATAL).
**CONTACT:** John C.J. Ou, Mgr.
**Soybean meal, crude and refined soybean oil, lecithin, soya concentrates.**

**PRESIDENT ENTERPRISES CORP.** ★
301, Chung-Cheng Rd., Yan Harng, Yeong kang
Shiang, Tainan Hsien 711, Ph. 06/253-2121;
TLX: 71348 (PRESIT).
**CONTACT:** C. S. Lin
**Soy sauce and soy milk.**

**WAN JIA SHIAN BREWERY CO. LTD.**
80-1 Hope St., Sun Chung City, Taipei,
Ph. 02/995-6622; TLX: 25852 (JOYTW).
Other office: Middletown, NY.
**CONTACT:** Jen-Chun Wu
**Soy sauce.**

## THAILAND

**PATUM VEGETABLE OIL CO. LTD.** ★
733/23 Charansanitwong Rd., Bangkok 10700,
Ph. 424-1165 or 424-2168;
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# Importers of Soybeans & Soybean Products

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**COMSHIPCO INTERNATIONAL, INC. ★**
6800 France Ave., S., Suite 674, Edina, MN 55435, Ph. 612/929-4468; TLX: 6879112 (CMSHP). Other offices: Norcom Export Inc., Minneapolis, MN; Combined Shipping & Trading, London, ENGLAND.
**CONTACT:** John Burritt
**Soybeans, soybean meal, soybean oil.**

**EDEN FOODS, INC. ★**
1701 Tecumseh Rd., Clinton, MI 49236,
Ph. 313/973-9400. Other office: San Francisco, CA.
**CONTACT:** Cliff Adler, Pres.
**Miso, soy sauce.**

**NISSHO IWAI AMERICAN CORPORATION ★**
1211 Avenue of the Americas, New York, NY 10036, Ph. 212/704-6843; TLX: WU 127090 (NIAC NYK). Other office: Tokyo, JAPAN.
**CONTACT:** Mitsuyuki Nishimura, Mgr.
**Soy flour.**

## BAHRAIN

**DELMON POULTRY COMPANY ★**
P.O. Box 20535, Manama, Ph. 727690;
TLX: 9669 (DEPCO BN).
**CONTACT:** R. Slaats, Feedmill Mgr.
**Soybean meal (48%).**

## BANGLADESH

**INTRAMEX ★**
128 Motijheel Commercial Area, G.P.O. Box 3566, Dhaka, Ph. 88/02/506286 or 509965; TLX: 642568 (OTEEL BJ).
**CONTACT:** A.T.M. Anayet Ullah, Mgr. Dir.
**Soybeans, soybean oil.**

## BELGIUM

**GRAINES & HUILES ZADEN & OLIEN N.V. ★**
St. Pietersvliet 3, Bus. 13, 2000 Antwerp,
Ph. 32/03/234-2535; TLX: 31600 (GHZOAN B).
**CONTACT:** Pablo Saeys
**Soybeans, soybean oil.**

**SIB N.V.**
**Affiliate of N.V. Oliefabriek Lichtervelde**
St. Pietersvliet 3, Bus. 9, 2000 Antwerp,
Ph. 32/03/234/2700; TLX: 31325 (SIBCI B).
**CONTACT:** A. Malvarosa
**Crude degummed soybean oil.**

## BRAZIL

**CEVAL AGRO INDUSTRIAL S.A.**
Rodovia Jorge Lacerda, s/n°, Gaspar,
Santa Catarina 89110, Ph. 0473/32-0211;
TLX: 0473-235.
**CONTACT:** Cesar Augusta Jorraber
**Soybeans.**

**INDUSTRIAS J.B. DUARTE S.A. ★**
Rua dos Patriotas, 1382, P.O. Box 1002,
Sao Paulo, SP, 04207, Ph. 55/11/274-8211;
TLX: 11-21226, 33172 or 36622 (IJBD BR).
**CONTACT:** Archimedes Jorge Cortellazzi
**Soybeans and crude degummed oil.**

**RESEGUE INDUSTRIA E COMERCIO S.A.**
Rua Maria Paula 88, P.O. Box 3991,
Sao Paulo, SP, 01319, Ph. 011/259-2000;
TLX: 24762 or 25303 (IROV BR).
**CONTACT:** Pedro Laercio Fancio, Mgr.
**Soybean oil.**

## ENGLAND

**NKS EUROTRADE (UK) LTD. ★**
3 Regent St., P.O. Box 160, London SW1Y 4NR,
Ph. 44/1/930-7651; TLX: 8813508 (NKSLDN G).
**CONTACT:** L.G. Wyatt, Group Trading Mgr.
**Soybean meal.**

## FEDERAL REPUBLIC OF GERMANY

**CONDIMENTA Dr. E. RENDLEN GmbH ★**
Klagenfurterstrasse 1-3, P.O. Box 300480,
7000 Stuttgart 30, Ph. 711/813015;
TLX: 07252248 (GWM D).
**CONTACT:** Bernd Hasenmaile
**Soy bran, flour, concentrates, isolates and textured soy protein.**

**INTERFOOD DEUTSCHLAND GmbH ★**
Louisenstrasse 120, P.O. Box 1751,
D-6380 Bad Homburg, Ph. 06172/22046;
TLX: 415840 (FOOD D).
**CONTACT:** Hans D. Kneer, Mgr. Dir.
**Organically grown soybeans.**

**NOBLEE & THORL GmbH ★**
Seehafenstrasse 24, P.O. Box 901040,
D-2100 Hamburg 90, Ph. 766930;
TLX: 217713 (NOBL D).
**CONTACT:** Rolf Spindler, Purch. Mgr.
**Crude soybean oil.**

## FRANCE

**CENTRAL SOYA FRANCE**
9, 11 Avenue Francois Arago, B.P. 108,
78190 Trappes, Ph. 33/1/3050-1327;
TLX: 697733 (CENSOYA F).
**CONTACT:** Ch. Theobald, Mktg. Dir.
**Soybean meal.**

**DOFNA**
25, Rue du Rempart, 37018 Tours Cedex,
Ph. 4761-6167; TLX: 750750.
**CONTACT:** A. Bisson, Purchasing Mgr.
**Soybean meal.**

**RUSTICA SEMENCES ★**
Centre de Sandreau, Mondonville, 31700 Blagnac,
Ph. 6185-3636 or 6185-2871;
TLX: 520505 (RUSTICA).
Other offices: Rustica Italia, San Daniele, ITALY; RS Sacon Pflanzenzucht, Hamburg, FED. REP. OF GERMANY.
**CONTACT:** Roger Catala
**Soybean seed.**

**SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) ★**
30 Rue des Peupliers, 92000 Nanterre,
Ph. 4784-4179; TLX: 613381 (SOLEAG).
**CONTACT:** Guy Deneck
**Soybeans, soybean meal.**

**TOURNEUR GRANDES CULTURES**
Zone Industrielle Nord, 1500 Ave. de Fonneuve,
82000 Montauban, Ph. 63/661043;
TLX: 521917 (TOURMON F).
**CONTACT:** Maurice Villa, Mktg. Dir.
**Soybean seed.**

## GREECE

**BIOTROPHES LTD. ★**
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**CONTACT:** John Lewis
**Soy flour, concentrates, isolates and textured soy protein.**

## GUATEMALA

**ALIMENTOS S.A. ★**
Km. 14½, Carretera a el Salvador, Apartado Postal No. 8, Puerta Parada, Guatemala City,
Ph. 301268; TLX: 4182 (CERCEN GU).
**CONTACT:** Carlos F. Tejada, Gen. Mgr.
**Soybean meal, soybean flour.**

## HONDURAS

**ALIMENTOS CONCENTRADOS NACIONALES S.A. (ALCON) ★**
Bufalo, Villanueva, Cortes, P.O. Box 283,
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**CONTACT:** Jimmie Taylor, Gen. Mgr.
**Soybean meal (48% protein) for use in animal feed manufacture.**

## INDIA

**SCHOKHI INDUSTRIALS PVT. LTD. ★**
143, Jolly Maker Chambers Two,
225 Nariman Point, Bombay 400021,
Ph. 91/22/202-1320; TLX: 11-3078 (UTPA IN).
**CONTACT:** Nitin Goel, Dir.
**Soybeans.**

## IRELAND

**JAMES ALLEN (Ireland) LTD.**
Frankfort, Dumdrum Rd., Dublin 14,
Ph. 01/989188; TLX: 30615 (JAI EI).
Other office: Belfast.
**CONTACT:** D.J. Molloy or D.T. Leavy
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TLX: 0500-75855 (SPS EI).
**CONTACT:** William O. Mahony or Finbar Healy
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**NORTH WEST SILOS LTD. ★**
37/41 High St., Belfast BT1 2AB,
Ph. 11/44232/322479; TLX: 74102 (RUSMAC G).
**CONTACT:** Denis H. Cooley
**Soybeans, soybean meal and oil.**

### ITALY

**CICAM S.R.L. ★**
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**Soybeans.**

### KOREA

**CHEIL SUGAR & CO., LTD. ★**
Dong Bang Main Bldg., 17th Floor, 150, 2-Ka,
Taepyung-Ro, Chung-ku, Seoul 100,
Ph. 02/7518-514; TLX: 29359 (CHESCO K).
**CONTACT:** Yung Koo Park, Mgr. Dir.
**Soybeans.**

### KUWAIT

**BURGAN AGRI-FOOD INDUSTRY**
Abdul Rahman Al-Mughni Bldg., 4th Floor,
Hilali St., P.O. Box 5545, Safat,
Ph. 00965/244-7751; TLX: 46746 (BAFI KT).
**CONTACT:** Mohammad Al-Fraih, Pres.
**Soybean meal (44% and 48% protein).**

### NETHERLANDS

**CENTRAL SOYA OVERSEAS B.V. ★**
**Chemurgy Division**
Veerlaan 17-23, P.O. Box 5063, 3008AB Rotterdam,
Ph. 010/423-9600; TLX: 20041 (CNSOY NL).
**CONTACT:** Customer Service
**Soy flour, concentrates, lecithin.**

**SCHOUTEN/GIESSEN N.V. ★**
Burgstraat 12, P.O. Box 1, 4284 ZG Giessen (NBR),
Ph. 31/1832/1141; TLX: 21159.
Other office: Minneapolis, MN.
**CONTACT:** W. M. Dekker
**Soybeans and soybean meal.**

### NEW ZEALAND

**OPCO INDUSTRIES LTD. ★**
17 Keeling Rd., P.O. Box 21123, Henderson,
Auckland 8, Ph. 0064/09/837-0760; TLX: 21120.
**CONTACT:** Peter Doig, Gen. Mgr.
**Soybean meal.**

### NORWAY

**A/S DENOFA OG LILLEBORG FABRIKER ★**
Sandakerveien 56, P.O. Box 4236, 0401 Oslo 4,
Ph. 47/02/220050; TLX: 71181.
**CONTACT:** Odd R. Bjornstad
**Soybeans.**

### PORTUGAL

**COMPANHIA DE OLEAGINOSAS DO TEJO SARL (TAGOL)**
Av. Republica 44-7°, 1000 Lisbon, Ph. 767521,
767522 or 767533; TLX: 14187 (TAGOL P).
**CONTACT:** Manuel Mourao, Dir.
**Soybeans.**

**SIMAO & COMPANHIA COMERCIO E INDUSTRIA SARL**
Rua dos Douradores, 135-3°, 1100 Lisbon,
Ph. 879586, 879587 or 878256;
TLX: 18398 (SIMAO P).
**CONTACT:** Luis Simao, Export Mgr.

### SAUDI ARABIA

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**CONTACT:** Kevin A. Fallon
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### SOUTH AFRICA

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**CONTACT:** Henk Egberink, Mgr. Dir.
**Soy flour, concentrates and isolates.**

**JAMES P. THOL & CO. PTY. LTD. ★**
P.O. Box 1567, Cape Town 8000,
Ph. 25/4042/419-1518; TLX: 5-27747.
**CONTACT:** Abner Derman, Mgr. Dir.
**Soy flour, concentrates and isolates.**

### SPAIN

**OLEAGINOSAS ESPANOLAS S.A. (OESA) ★**
Nunez de Balboa, 108, P.O. Box 2426,
28006 Madrid, Ph. 34/1/411-4613; TLX: 45302
or 46918 (OLEA E). Other office: Barcelona.
**CONTACT:** Jose Ferrer Berta
**Soybeans and soybean meal.**

**SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) ★**
Plaza de Chamberi, 8, 7th Floor, 28010 Madrid,
Ph. 34/1/447-3013; TLX: 27216 (SIMSA E).
Other office: Santander.
**CONTACT:** Ignacio Aritio
**Soybeans, soybean meal.**

### TAIWAN

**FWU SOW GRAIN PRODUCTS CO., LTD.**
45, Sha-Tyan Rd., Sha-Lu 43306, Taichung,
Ph. 886/046/362111; TLX: 22237 (FWUSOW)
**CONTACT:** Chia Yuh Trading Co. Ltd.,
70, Ningpo St., Taipei
**Soy flour, lecithin and salad oil.**

**GREAT WALL ENTERPRISE CO., LTD. ★**
No. 3, Niao-Sung 2nd St., Niao-Sung Village,
Yung-kung Hsiang, Tainan Hsien 71004,
Ph. 06/253-1111, TLX: 71351 (GREATAL).
**CONTACT:** John C.J. Ou, Mgr.
**Soybeans.**

**PRESIDENT ENTERPRISES CORP. ★**
301, Chung-Cheng Rd., Yan Harng,
Yeong kang Shiang, Tainan Hsien 711,
Ph. 06/253-2121, TLX: 71348 (PRESIT).
**CONTACT:** C.S. Lin
**Soybeans.**

### THAILAND

**HOECHEONG INTERNATIONAL TRADING CO. LTD. ★**
Sitthivorakit Bldg., 14th Floor, No. 5 Soi Pipat,
Silom Rd., G.P.O. Box 1386, Bangkok 10501,
Ph. 2352895; TLX: 82858 (HOECO TH). Other
offices: Melbourne, AUSTRALIA; Beijing, CHINA;
HONG KONG and SINGAPORE.
**CONTACT:** Jason Wong, Gen. Mgr.
**Soybean meal, isolated soybean protein powder.**

**PATUM VEGETABLE OIL CO. LTD. ★**
733/23 Charansanitwong Rd., Bangkok 10700,
Ph. 424-1165 or 424-2168; TLX: 82431 (PATUM
TH).
**CONTACT:** Prakit Triyanond, Gen. Mgr.
**Crude degummed soybean oil.**

**SIMEX LTD.**
Mahatun Plaza Bldg., 17th Floor, 888/178
Ploenchit Rd., P.O. Box 1447, Bangkok 10500,
Ph. 02/253-5000; TLX: 82808 (SIMEX TH).
**CONTACT:** Jalthong Patamapongs, Mgr. Dir.
**Soybean meal, soybean meal pellets.**

### TURKEY

**PROMEX INTERNATIONAL TRADING, INC. ★**
U.S. OFFICE: 350 Fifth Ave., New York, NY 10118,
Ph. 212/868-3394; TLX: WU 620014 (DELTA) or
6973145 (PRMX).
**CONTACT:** M. Uca or K. Gunger
**Soybeans and soybean seed.**

### VENEZUELA

**GRUPO INTERAMERICANO C.A. ★**
Av. Los Jabillos, Centro Bancor Piso and
Sabana Grande, P.O. Box 1846, Caracas 1010,
Ph. 02/716813 or 716816; TLX: 24578.
**CONTACT:** Marilu Ravelo, Commercial Mgr.
**Soybean meal, soybean oil, soy protein isolates.**

### YUGOSLAVIA

**CENTROPROM EXPORT-IMPORT**
Nusiceva br. 15, P.O. Box 454, 11001 Beograd,
Ph. 011/343-3111, 338-244 or 320-641;
TLX: 11117 or 11160 (CTPR YU).
**CONTACT:** Vukoman Delic or Mrs. Ljiljana
Petrovic
**U.S. No. 2 soybeans, soybean meal (44% protein).**

**DALMA EXPORT-IMPORT ★**
Nodilova 1, P.O. Box 84, 58001 Split,
Ph. 58/585888 or 585810; TLX: 26134 (DALMA
YU).
**CONTACT:** Ljubo Jadrijevic, Dept. Mgr.
**Soybeans, soybean meal, soybean oil.**

**EMONA COMMERCE, BOAL GLOBUS ★**
Smartinska 130, P.O. Box 250, 61000 Ljubljana,
Ph. 9938/061/442195; TLX: 31205 (EMONA YU).
**CONTACT:** Janez Stiglic, Asst. Dir.
**Soybeans, soybean hulls, meal and oil.**

**GRANEXPORT ★**
**Enterprise for Food Industry and Trade**
Terazije 27, P.O. Box 902, 11000 Beograd,
Ph. 011/333-635 or 333-636; TLX: 11213 or 11278
(GRANEX YU).
**CONTACT:** Milenko Petrovic or Jovica Nikolic
**Soybeans and soybean meal.**

**KRMIVA R.O. ★**
Gunduliceva 45, P.O. Box 475, 41001 Zagreb,
Ph. 0038/41/445624, 440609 or 442061;
TLX: 21203 (KRMIVA YU).
**CONTACT:** Import/Export Dept.
**Soybeans, soybean meal and cake.**

**UNION OF AGRICULTURE, TRADE & INDUSTRY (UPI) ★**
JNA 20, 71000 Sarajevo, Ph. 071/35373;
TLX: 41132.
**CONTACT:** Loza Dusan
**Soybeans and soybean meal.**

# soy statistics

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# SOYA CONVERSIONS

1 bushel of soybeans = 60 pounds
= 10.7 pounds of crude soy oil
= 47.5 pounds of soybean meal
= 39 pounds of soy flour
= 20 pounds of concentrate
= 11.8 pounds of isolates

79.2% of a bushel of soybeans is manufactured into soybean meal
17.8% of a bushel of soybeans is manufactured into soy oil
3.0% or a bushel of soybeans is manufacturing loss

1 metric ton of soybeans = 36.74 bushels
1 short ton of soybeans = 33.33 bushels
1 short ton of soybeans = .907 metric tons
1 long ton of soybeans = 37.33 bushels

1 metric ton of soybean meal = 46.39 bushels of soybeans
1 short ton of soybean meal = 42.08 bushels of soybeans
1 long ton of soybean meal = 47.13 bushels of soybeans

1 metric ton of soybean oil = 206 bushels of soybeans

# METRIC CONVERSIONS

Area

1 acre = 0.405 hectares
1 hectare = 2.47 acres

Mass & Weight

1 pound = 453.59 grams
1 pound = 0.454 kilograms
1 hundredweight, short (100 lbs.) = 45.359 kilograms
1 hundredweight, long (112 lbs.) = 50.802 kilograms
1 ton, short = 0.907 metric tons
1 ton, long = 1.016 metric tons

1 gram = 0.035 ounce
1 kilogram = 2.2 pounds
1 metric ton = 1,000 kilograms
1 metric ton = 2,205 pounds
1 metric ton = 1.1 short tons
1 short ton = 2,000 pounds
1 long ton = 2,240 pounds

Capacity

1 U.S. gallon = 3.785 liters
1 Imperial gallon = 4.545 liters
1 bushel = 35.24 liters

1 liter = 0.908 quarts, dry
1 liter = 1.057 quarts, liquid

# TEMPERATURE CONVERSIONS

$$\text{Celsius (Centigrade)} = \frac{{}^\circ F - 32}{1.8}$$

$$\text{Fahrenheit} = (1.8 \times {}^\circ C) + 32$$

## U.S. SOYBEAN PLANTING AND HARVESTING DATES

| State | Usual Planting Dates | Usual Harvesting Dates | | |
|---|---|---|---|---|
| | | Begin | Most Active | End |
| Alabama | May 5-July 15 | Sept. 20 | Oct. 1-Oct. 30 | Dec. 1 |
| Arkansas | May 1-June 30 | Oct. 1 | Oct. 15-Nov. 25 | Dec. 10 |
| Delaware | May 15-July 10 | Oct. 5 | Oct. 20-Nov. 15 | Dec. 1 |
| Florida | May 15-June 15 | Sept. 20 | Oct. 1-Oct. 31 | Nov. 30 |
| Georgia | May 1-July 5 | Oct. 10 | Oct. 20-Nov. 20 | Nov. 30 |
| Illinois | May 5-June 25 | Sept. 15 | Sept. 25-Oct. 15 | Nov. 5 |
| Indiana | May 10-June 20 | Sept. 20 | Sept. 30-Oct. 30 | Nov. 5 |
| Iowa | May 10-June 10 | Oct. 1 | Oct. 10-Nov. 5 | Nov. 15 |
| Kansas | May 10-July 5 | Sept. 20 | Oct. 1-Nov. 5 | Nov. 20 |
| Kentucky | May 5-July 5 | Sept. 20 | Oct. 1-Nov. 1 | Dec. 1 |
| Louisiana | May 1-June 25 | Sept. 15 | Oct. 1-Nov. 15 | Dec. 1 |
| Maryland | May 15-July 10 | Oct. 1 | Oct. 20-Nov. 15 | Dec. 1 |
| Michigan | May 10-June 20 | Sept. 20 | Oct. 10-Oct. 25 | Nov. 15 |
| Minnesota | May 15-June 15 | Sept. 25 | Oct. 10-Oct. 25 | Nov. 10 |
| Mississippi | May 1-July 5 | Sept. 20 | Oct. 15-Nov. 15 | Dec. 10 |
| Missouri | May 1-June 20 | Sept. 15 | Oct. 1-Oct. 20 | Dec. 1 |
| Nebraska | May 10-June 15 | Sept. 20 | Oct. 5-Oct. 20 | Nov. 5 |
| New Jersey | May 25-July 10 | Oct. 10 | Oct. 25-Nov. 10 | Nov. 20 |
| New York | May 25-June 25 | Oct. 1 | Oct. 10-Oct. 20 | Oct. 30 |
| North Carolina | May 5-June 25 | Oct. 15 | Nov. 1-Dec. 1 | Dec. 20 |
| North Dakota | May 20-June 10 | Sept. 25 | Oct. 5-Oct. 20 | Oct. 25 |
| Ohio | May 10-June 20 | Sept. 20 | Oct. 1-Oct. 25 | Nov. 15 |
| Oklahoma | May 10-June 30 | Sept. 30 | Oct. 10-Nov. 15 | Nov. 25 |
| Pennsylvania | May 10-July 1 | Oct. 20 | Nov. 1-Nov. 20 | Dec. 1 |
| South Carolina | May 1-July 10 | Oct. 20 | Nov. 1-Dec. 1 | Dec. 10 |
| South Dakota | May 15-June 15 | Oct. 1 | Oct. 10-Oct. 25 | Nov. 5 |
| Tennessee | May 1-June 30 | Oct. 1 | Oct. 15-Nov. 15 | Dec. 10 |
| Texas | May 1-July 15 | Oct. 1 | Oct. 25-Nov. 5 | Nov. 30 |
| Virginia | May 1-July 10 | Oct. 1 | Oct. 20-Nov. 25 | Dec. 5 |
| Wisconsin | May 25-June 15 | Oct. 5 | Oct. 20-Nov. 1 | Nov. 20 |

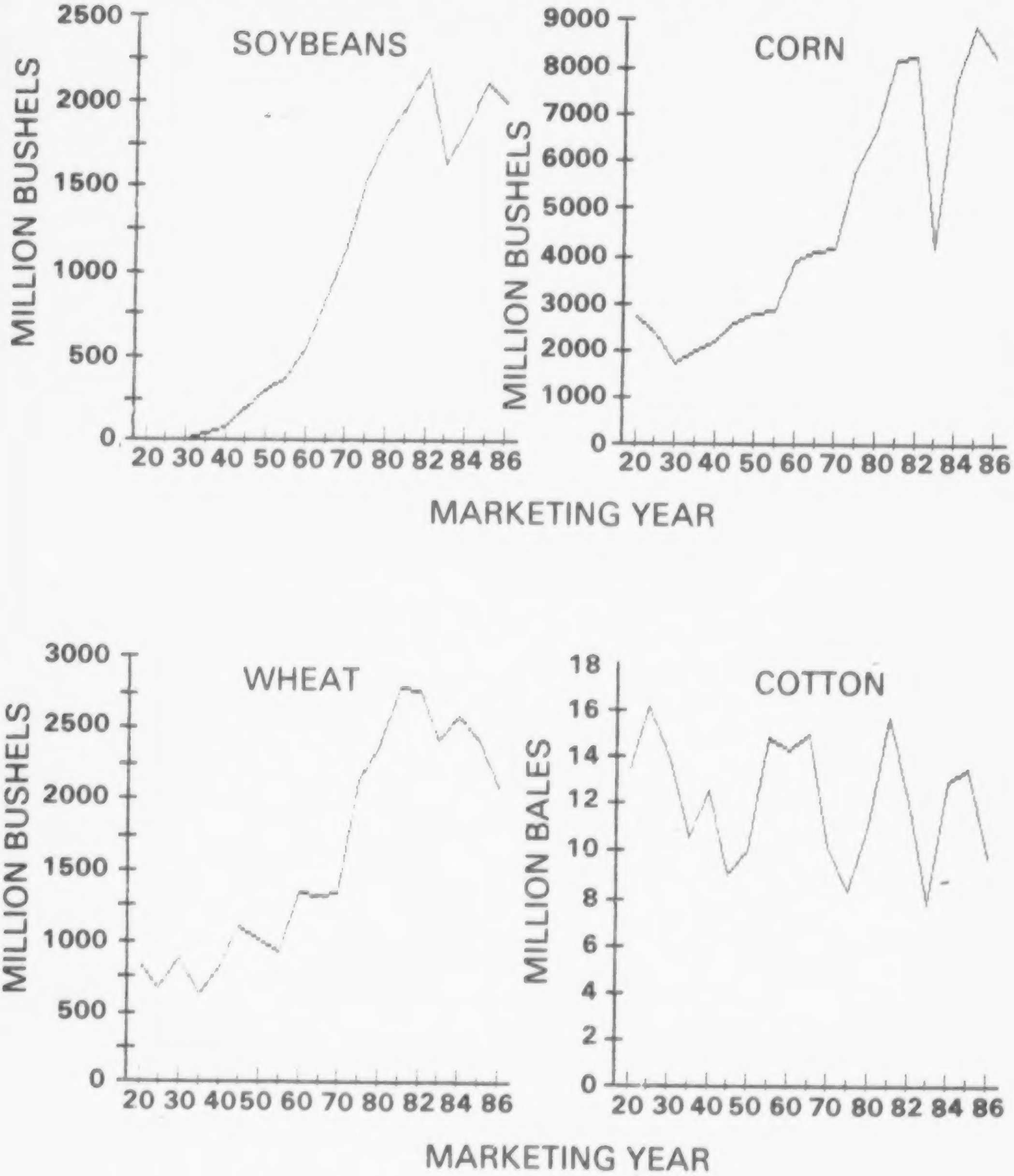
Source: U.S. Department of Agriculture.

## U.S. SOYBEAN ACREAGE, YIELD AND PRODUCTION
## 1925 - 1986

| Year | Acres Planted (Thousand Acres) | Acres Harvested (Thousand Acres) | Average Yield Per Acre Harvested (Bushels) | Total Production (Th. Bu.) |
|---|---|---|---|---|
| 1925 | 1,539 | 415 | 11.7 | 4,875 |
| 1930 | 3,072 | 1,074 | 13.0 | 13,929 |
| 1935 | 6,966 | 2,915 | 16.8 | 48,901 |
| 1940 | 10,487 | 4,807 | 16.2 | 78,045 |
| 1945 | 13,056 | 10,740 | 18.0 | 193,167 |
| 1950 | 15,048 | 13,807 | 21.7 | 299,249 |
| 1955 | 19,674 | 18,620 | 20.1 | 373,682 |
| 1960 | 24,440 | 23,655 | 23.5 | 555,085 |
| 1965 | 35,227 | 34,449 | 24.5 | 845,608 |
| 1966 | 37,294 | 36,546 | 25.4 | 928,481 |
| 1967 | 40,819 | 39,805 | 24.5 | 976,439 |
| 1968 | 42,265 | 41,391 | 26.7 | 1,106,958 |
| 1969 | 42,534 | 41,337 | 27.4 | 1,133,120 |
| 1970 | 43,082 | 42,249 | 26.7 | 1,127,100 |
| 1971 | 43,476 | 42,705 | 27.5 | 1,175,989 |
| 1972 | 46,886 | 45,683 | 27.8 | 1,270,630 |
| 1973 | 56,549 | 55,667 | 27.7 | 1,547,165 |
| 1974 | 52,479 | 51,341 | 23.2 | 1,214,802 |
| 1975 | 54,550 | 53,579 | 28.9 | 1,547,383 |
| 1976 | 50,226 | 49,358 | 26.1 | 1,287,560 |
| 1977 | 58,760 | 57,612 | 30.6 | 1,761,755 |
| 1978 | 64,708 | 63,663 | 29.4 | 1,868,754 |
| 1979 | 71,411 | 70,343 | 32.1 | 2,260,665 |
| 1980 | 69,930 | 67,813 | 26.5 | 1,797,543 |
| 1981 | 67,543 | 66,163 | 30.1 | 1,989,110 |
| 1982 | 70,884 | 69,442 | 31.5 | 2,190,297 |
| 1983 | 63,139 | 62,525 | 26.2 | 1,635,772 |
| 1984 | 67,735 | 66,093 | 28.2 | 1,860,783 |
| 1985 | 63,130 | 61,584 | 34.1 | 2,098,531 |
| 1986 | 61,480 | 59,427 | 33.8 | 2,007,033 |

Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

## U.S. PRODUCTION OF MAJOR CROPS



# U.S. SOYBEAN PLANTED ACREAGE BY STATE

## Acres Planted (Thousand Acres)

| | 1970 | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 642 | 1,300 | 2,200 | 2,200 | 2,050 | 2,100 | 1,550 | 1,400 | 1,080 | 680 |
| Arkansas | 4,393 | 4,750 | 5,200 | 4,800 | 4,550 | 4,650 | 3,900 | 4,050 | 3,750 | 3,400 |
| Delaware | 165 | 228 | 280 | 265 | 260 | 275 | 255 | 260 | 245 | 245 |
| Florida | 188 | 291 | 460 | 475 | 423 | 615 | 327 | 340 | 260 | 150 |
| Georgia | 550 | 1,190 | 2,000 | 2,200 | 2,300 | 2,700 | 2,050 | 2,100 | 1,800 | 1,250 |
| Illinois | 6,848 | 8,350 | 9,700 | 9,400 | 9,250 | 9,500 | 9,100 | 9,200 | 9,100 | 9,200 |
| Indiana | 3,300 | 3,650 | 4,500 | 4,400 | 4,650 | 4,600 | 4,000 | 4,400 | 4,500 | 4,300 |
| Iowa | 5,709 | 7,000 | 8,200 | 8,300 | 8,100 | 8,600 | 8,000 | 8,500 | 8,200 | 8,800 |
| Kansas | 1,074 | 1,100 | 1,580 | 1,550 | 1,540 | 1,850 | 1,600 | 1,730 | 1,500 | 1,870 |
| Kentucky | 582 | 1,150 | 1,720 | 1,650 | 1,700 | 1,700 | 1,500 | 1,520 | 1,260 | 1,200 |
| Louisiana | 1,730 | 2,000 | 3,400 | 3,450 | 3,110 | 3,000 | 2,670 | 2,450 | 2,250 | 1,950 |
| Maryland | 216 | 335 | 410 | 400 | 360 | 410 | 390 | 435 | 410 | 400 |
| Michigan | 539 | 615 | 1,020 | 980 | 1,050 | 1,050 | 1,050 | 1,200 | 1,100 | 1,000 |
| Minnesota | 3,140 | 3,700 | 5,150 | 4,800 | 4,460 | 4,950 | 4,650 | 5,300 | 5,100 | 4,900 |
| Mississippi | 2,358 | 3,230 | 4,200 | 4,000 | 3,800 | 3,700 | 3,200 | 3,300 | 2,700 | 2,600 |
| Misscuri | 3,546 | 4,450 | 5,900 | 5,700 | 5,120 | 5,950 | 5,300 | 5,500 | 5,300 | 5,500 |
| Nebraska | 824 | 1,220 | 1,630 | 1,830 | 2,150 | 2,350 | 2,100 | 2,600 | 2,400 | 2,500 |
| New Jersey | 52 | 104 | 205 | 200 | 170 | 172 | 135 | 135 | 130 | 120 |
| New York-not est. after 1980 | 6 | 11 | 26 | 20 | — | — | — | — | — | — |
| North Carolina | 981 | 1,500 | 2,000 | 2,030 | 1,920 | 2,150 | 1,750 | 1,850 | 1,800 | 1,700 |
| North Dakota | 184 | 180 | 210 | 210 | 250 | 350 | 540 | 750 | 500 | 475 |
| Ohio | 2,434 | 3,120 | 4,100 | 3,800 | 3,500 | 3,750 | 3,300 | 3,800 | 3,900 | 3,700 |
| Oklahoma | 200 | 245 | 390 | 350 | 280 | 300 | 250 | 248 | 210 | 255 |
| Pennsylvania | 30 | 54 | 130 | 135 | 135 | 110 | 152 | 175 | 175 | 165 |
| South Carolina | 1,550 | 1,420 | 1,700 | 1,600 | 1,600 | 1,900 | 1,480 | 1,520 | 1,290 | 1,020 |
| South Dakota | 253 | 345 | 700 | 780 | 780 | 840 | 1,000 | 1,400 | 1,280 | 1,350 |
| Tennessee | 1,281 | 1,950 | 2,700 | 2,450 | 2,450 | 2,450 | 2,020 | 1,900 | 1,500 | 1,550 |
| Texas | 170 | 395 | 860 | 560 | 560 | 1,000 | 460 | 450 | 320 | 240 |
| Virginia | 372 | 451 | 540 | 620 | 645 | 680 | 650 | 750 | 720 | 630 |
| Wisconsin | 155 | 216 | 300 | 335 | 380 | 460 | 400 | 480 | 350 | 330 |

Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

## U.S. SOYBEAN HARVESTED ACREAGE BY STATE

### Acres Harvested for Beans (Thousand Acres)

| | 1970 | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 600 | 1,260 | 2,150 | 2,100 | 2,020 | 2,000 | 1,500 | 1,370 | 1,030 | 630 |
| Arkansas | 4,400 | 4,700 | 5,150 | 4,350 | 4,500 | 4,400 | 3,800 | 3,900 | 3,700 | 3,300 |
| Delaware | 156 | 225 | 275 | 260 | 255 | 270 | 250 | 250 | 240 | 240 |
| Florida | 184 | 281 | 453 | 460 | 410 | 402 | 312 | 325 | 230 | 140 |
| Georgia | 475 | 1,160 | 1,950 | 1,950 | 2,200 | 2,350 | 2,000 | 2,000 | 1,550 | 850 |
| Illinois | 6,800 | 8,320 | 9,620 | 9,350 | 9,150 | 9,200 | 9,050 | 9,020 | 9,000 | 9,150 |
| Indiana | 3,278 | 3,630 | 4,420 | 4,380 | 4,600 | 4,500 | 3,950 | 4,350 | 4,460 | 4,250 |
| Iowa | 5,680 | 6,970 | 8,170 | 8,270 | 8,050 | 8,400 | 7,960 | 8,400 | 8,150 | 8,750 |
| Kansas | 930 | 1,080 | 1,560 | 1,450 | 1,510 | 1,780 | 1,520 | 1,620 | 1,410 | 1,760 |
| Kentucky | 530 | 1,100 | 1,660 | 1,600 | 1,650 | 1,630 | 1,440 | 1,460 | 1,230 | 1,170 |
| Louisiana | 1,668 | 1,920 | 3,350 | 3,350 | 3,030 | 2,900 | 2,620 | 2,380 | 2,100 | 1,820 |
| Maryland | 213 | 330 | 405 | 390 | 355 | 415 | 385 | 425 | 400 | 390 |
| Michigan | 500 | 610 | 1,010 | 970 | 1,040 | 1,140 | 1,040 | 1,190 | 1,080 | 950 |
| Minnesota | 3,030 | 3,650 | 5,080 | 4,760 | 4,350 | 4,830 | 4,600 | 5,240 | 5,000 | 4,800 |
| Mississippi | 2,580 | 3,120 | 4,100 | 3,850 | 3,700 | 3,550 | 3,100 | 3,200 | 2,620 | 2,450 |
| Missouri | 3,465 | 4,370 | 5,830 | 5,530 | 5,000 | 5,700 | 5,150 | 5,300 | 5,230 | 5,300 |
| Nebraska | 812 | 1,200 | 1,610 | 1,770 | 2,070 | 2,250 | 2,070 | 2,550 | 2,360 | 2,450 |
| New Jersey | 54 | 102 | 203 | 194 | 168 | 170 | 133 | 133 | 129 | 117 |
| New York-not est. after 1980 | 6 | 11 | 25 | 19 | — | — | — | — | — | — |
| North Carolina | 867 | 1,420 | 1,950 | 1,930 | 1,850 | 2,100 | 1,650 | 1,790 | 1,700 | 1,600 |
| North Dakota | 181 | 149 | 206 | 200 | 245 | 415 | 530 | 740 | 490 | 470 |
| Ohio | 2,500 | 3,100 | 4,080 | 3,760 | 3,450 | 3,700 | 3,280 | 3,770 | 3,870 | 3,670 |
| Oklahoma | 185 | 237 | 360 | 300 | 270 | 280 | 230 | 220 | 190 | 200 |
| Pennsylvania | 28 | 52 | 125 | 103 | 130 | 135 | 145 | 170 | 170 | 160 |
| South Carolina | 1,010 | 1,380 | 1,660 | 1,600 | 1,500 | 1,800 | 1,430 | 1,490 | 1,230 | 880 |
| South Dakota | 247 | 342 | 685 | 770 | 770 | 800 | 985 | 1,360 | 1,270 | 1,330 |
| Tennessee | 1,150 | 1,850 | 2,620 | 2,550 | 2,350 | 2,300 | 1,970 | 1,850 | 1,460 | 1,500 |
| Texas | 158 | 370 | 805 | 630 | 480 | 920 | 420 | 410 | 290 | 190 |
| Virginia | 339 | 433 | 536 | 610 | 635 | 665 | 610 | 730 | 695 | 590 |
| Wisconsin | 153 | 207 | 295 | 330 | 375 | 440 | 395 | 450 | 300 | 320 |

Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

## U.S. SOYBEAN YIELD BY STATE

### Average Yield per Acre Harvested for Beans (Bushels)

| | 1970 | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1986 | 1986 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 23.0 | 24.5 | 25.0 | 15.0 | 23.0 | 25.0 | 20.0 | 21.0 | 27.0 | 23.0 |
| Arkansas | 22.5 | 25.0 | 28.0 | 15.0 | 22.0 | 24.0 | 18.5 | 26.0 | 26.5 | 21.0 |
| Delaware | 21.0 | 25.0 | 30.0 | 20.0 | 27.0 | 24.0 | 29.0 | 24.0 | 30.0 | 25.0 |
| Florida | 28.0 | 24.0 | 29.0 | 22.0 | 24.0 | 26.0 | 25.0 | 24.0 | 26.0 | 23.0 |
| Georgia | 23.0 | 25.5 | 28.0 | 12.0 | 19.0 | 27.0 | 21.0 | 20.0 | 24.0 | 18.0 |
| Illinois | 31.0 | 36.0 | 39.0 | 33.5 | 38.0 | 38.5 | 29.5 | 32.0 | 42.5 | 40.0 |
| Indiana | 31.0 | 33.5 | 36.0 | 36.0 | 33.0 | 38.5 | 31.0 | 34.5 | 41.5 | 38.0 |
| Iowa | 32.5 | 34.0 | 37.5 | 38.5 | 40.0 | 36.5 | 35.0 | 31.5 | 38.0 | 41.5 |
| Kansas | 15.0 | 21.0 | 26.5 | 16.5 | 30.0 | 26.0 | 16.0 | 17.5 | 31.0 | 34.0 |
| Kentucky | 27.0 | 27.0 | 32.5 | 22.5 | 29.0 | 31.5 | 17.0 | 29.0 | 34.0 | 32.0 |
| Louisiana | 24.0 | 25.0 | 28.0 | 20.0 | 21.0 | 26.0 | 26.0 | 17.0 | 21.0 | 21.0 |
| Maryland | 24.0 | 28.0 | 30.0 | 24.0 | 29.5 | 29.0 | 26.0 | 29.0 | 32.0 | 28.0 |
| Michigan | 26.5 | 26.0 | 30.0 | 33.0 | 30.0 | 31.0 | 32.5 | 27.0 | 32.0 | 32.0 |
| Minnesota | 26.0 | 27.0 | 32.0 | 31.5 | 32.0 | 35.0 | 33.0 | 33.0 | 32.0 | 35.5 |
| Mississippi | 22.5 | 22.5 | 29.0 | 16.0 | 21.0 | 26.0 | 19.0 | 24.0 | 27.0 | 18.0 |
| Missouri | 25.5 | 26.0 | 31.5 | 24.5 | 30.0 | 30.0 | 20.0 | 20.5 | 34.5 | 33.5 |
| Nebraska | 22.0 | 27.0 | 34.0 | 30.0 | 38.0 | 35.0 | 28.5 | 25.5 | 36.0 | 39.0 |
| New Jersey | 25.0 | 26.0 | 30.0 | 18.0 | 29.0 | 25.0 | 23.0 | 31.0 | 34.0 | 29.0 |
| New York-not est. after 1980 | 20.0 | 27.0 | 26.0 | 24.0 | — | — | — | — | — | — |
| North Carolina | 24.0 | 23.5 | 23.5 | 18.0 | 25.0 | 25.0 | 20.0 | 26.0 | 23.0 | 24.0 |
| North Dakota | 15.0 | 19.5 | 27.0 | 17.5 | 28.0 | 21.0 | 27.0 | 23.0 | 26.0 | 35.5 |
| Ohio | 28.5 | 33.0 | 35.5 | 36.0 | 28.5 | 36.0 | 32.0 | 36.5 | 41.5 | 41.0 |
| Oklahoma | 18.0 | 22.0 | 23.0 | 10.0 | 24.0 | 18.0 | 17.0 | 19.0 | 23.0 | 24.0 |
| Pennsylvania | 32.0 | 28.0 | 32.0 | 24.5 | 31.0 | 31.0 | 24.0 | 35.0 | 35.0 | 35.0 |
| South Carolina | 20.0 | 22.0 | 24.0 | 13.0 | 20.0 | 22.0 | 16.5 | 20.0 | 20.0 | 17.0 |
| South Dakota | 17.5 | 25.0 | 33.0 | 26.0 | 29.0 | 30.5 | 26.5 | 23.0 | 32.0 | 31.0 |
| Tennessee | 23.0 | 25.0 | 27.0 | 18.0 | 25.0 | 26.5 | 16.0 | 26.0 | 31.0 | 25.0 |
| Texas | 28.0 | 25.0 | 26.0 | 22.0 | 22.0 | 25.0 | 22.5 | 29.0 | 25.0 | 23.0 |
| Virginia | 20.0 | 25.0 | 28.5 | 15.0 | 28.0 | 29.0 | 16.0 | 29.5 | 25.0 | 25.0 |
| Wisconsin | 24.0 | 25.5 | 34.0 | 33.0 | 33.0 | 31.0 | 35.0 | 31.0 | 32.0 | 36.0 |

Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

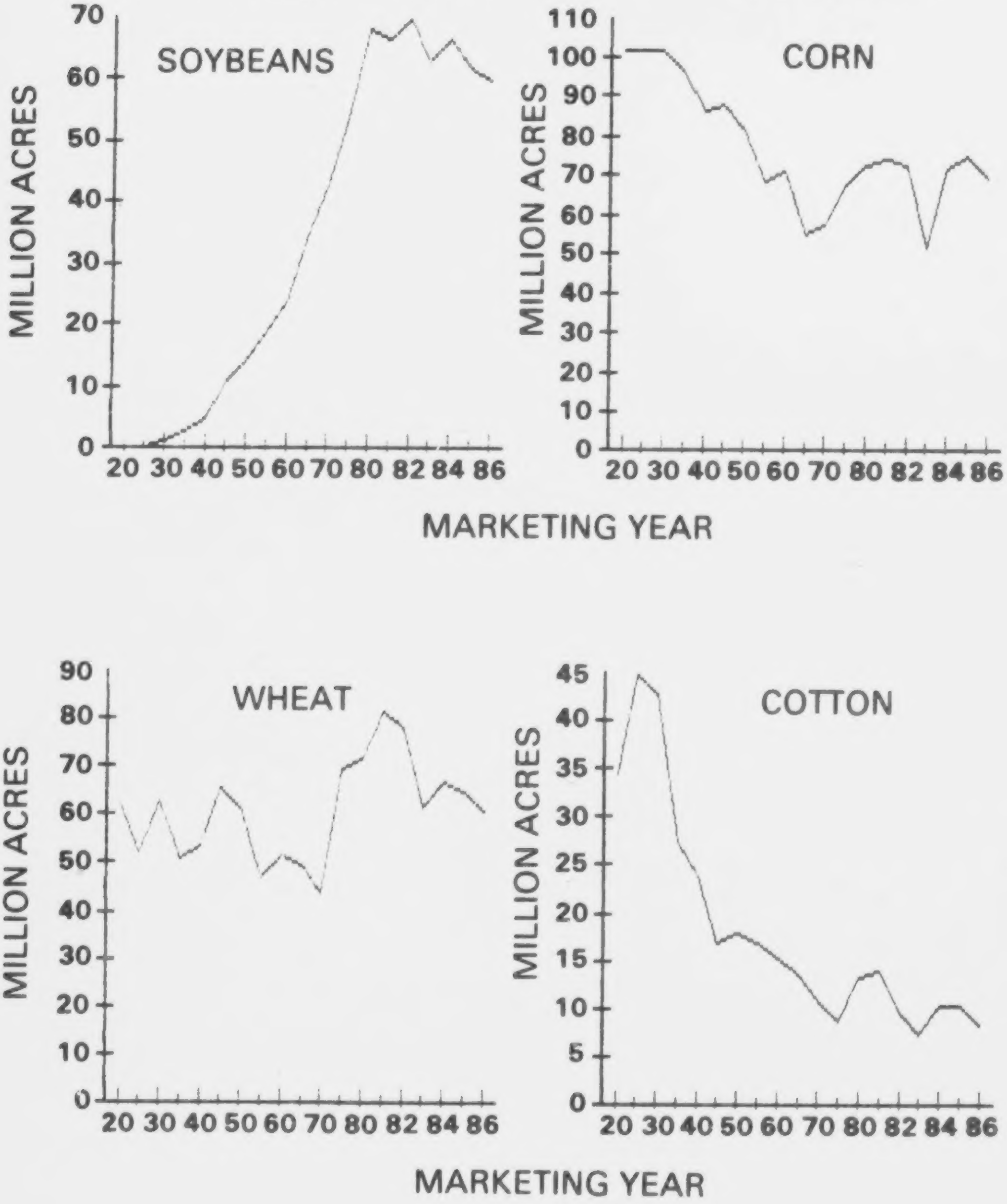
## U.S. SOYBEAN PRODUCTION BY STATE

### Total Production of Beans (Thousand Bushels)

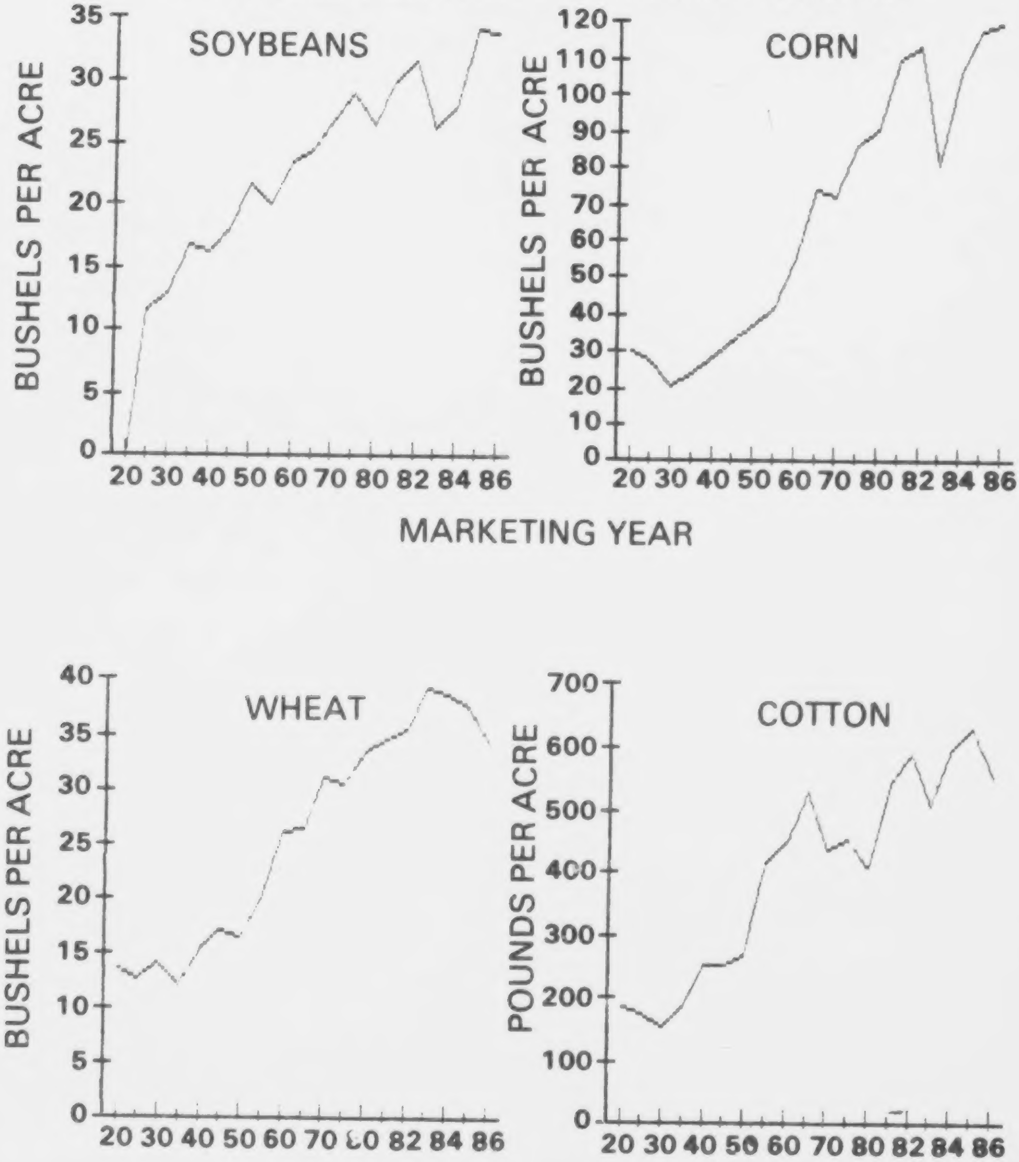
| | 1970 | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 |
|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | 13,800 | 30,870 | 53,750 | 31,500 | 46,460 | 50,000 | 30,000 | 28,770 | 27,810 | 14,490 |
| Arkansas | 99,000 | 117,500 | 44,200 | 65,250 | 99,000 | 105,600 | 70,300 | 101,400 | 98,050 | 69,300 |
| Delaware | 3,276 | 5,625 | 8,250 | 5,200 | 6,885 | 6,480 | 7,250 | 6,000 | 7,200 | 6,000 |
| Florida | 5,152 | 6,744 | 13,137 | 10,120 | 9,840 | 10,452 | 7,800 | 7,800 | 5,980 | 3,220 |
| Georgia | 10,925 | 29,580 | 54,600 | 23,400 | 41,800 | 63,450 | 42,000 | 40,000 | 37,200 | 15,300 |
| Illinois | 210,800 | 299,520 | 375,180 | 313,225 | 347,700 | 354,200 | 266,975 | 288,640 | 382,500 | 366,000 |
| Indiana | 101,618 | 121,605 | 159,120 | 157,680 | 151,800 | 173,250 | 122,450 | 150,075 | 185,090 | 161,500 |
| Iowa | 184,600 | 236,980 | 306,375 | 318,395 | 322,000 | 306,600 | 278,600 | 264,600 | 309,700 | 363,125 |
| Kansas | 13,950 | 22,680 | 41,340 | 23,925 | 45,300 | 46,280 | 24,320 | 28,350 | 43,710 | 59,840 |
| Kentucky | 14,310 | 29,700 | 53,950 | 36,000 | 47,850 | 51,345 | 24,480 | 42,340 | 41,820 | 37,440 |
| Louisiana | 40,512 | 48,000 | 93,800 | 67,000 | 63,630 | 75,400 | 68,120 | 64,260 | 44,100 | 38,220 |
| Maryland | 5,112 | 9,240 | 12,150 | 9,360 | 10,473 | 12,035 | 10,010 | 12,325 | 12,800 | 10,920 |
| Michigan | 13,250 | 15,860 | 30,300 | 32,010 | 31,200 | 35,340 | 33,800 | 32,130 | 34,560 | 30,400 |
| Minnesota | 78,780 | 98,550 | 162,560 | 149,940 | 139,200 | 169,050 | 151,800 | 172,920 | 160,000 | 170,400 |
| Mississippi | 58,050 | 70,200 | 18,900 | 61,600 | 77,700 | 92,300 | 58,900 | 76,800 | 70,740 | 44,100 |
| Missouri | 88,358 | 113,620 | 183,645 | 135,485 | 150,000 | 171,000 | 103,000 | 108,650 | 180,435 | 177,550 |
| Nebraska | 17,864 | 32,400 | 54,740 | 53,100 | 78,660 | 78,750 | 58,995 | 63,750 | 84,960 | 95,550 |
| New Jersey | 1,350 | 2,652 | 6,090 | 3,492 | 4,872 | 4,250 | 3,059 | 4,123 | 4,386 | 3,393 |
| New York-not est. after 1980 | 120 | 297 | 650 | 456 | — | — | — | — | — | — |
| North Carolina | 20,808 | 33,370 | 48,825 | 34,740 | 46,250 | 52,500 | 33,000 | 46,540 | 39,100 | 38,400 |
| North Dakota | 2,715 | 2,906 | 5,562 | 3,500 | 6,860 | 8,715 | 14,310 | 17,020 | 12,740 | 16,685 |
| Ohio | 72,675 | 102,300 | 114,840 | 135,360 | 98,325 | 133,200 | 104,960 | 137,605 | 160,605 | 150,470 |
| Oklahoma | 3,330 | 5,214 | 8,280 | 3,000 | 6,480 | 5,040 | 3,910 | 4,180 | 4,370 | 4,800 |
| Pennsylvania | 896 | 1,456 | 4,000 | 3,185 | 4,030 | 4,185 | 3,480 | 5,950 | 5,950 | 5,600 |
| South Carolina | 20,200 | 30,360 | 39,840 | 20,800 | 31,000 | 39,600 | 23,595 | 29,800 | 24,600 | 14,960 |
| South Dakota | 4,323 | 8,550 | 22,605 | 20,020 | 22,330 | 24,400 | 26,103 | 31,280 | 40,640 | 41,230 |
| Tennessee | 26,450 | 46,250 | 70,740 | 45,900 | 58,750 | 60,950 | 31,520 | 48,100 | 45,260 | 37,500 |
| Texas | 4,424 | 9,250 | 20,930 | 13,860 | 10,560 | 23,000 | 9,450 | 11,890 | 7,250 | 4,370 |
| Virginia | 6,780 | 10,825 | 15,276 | 9,150 | 17,780 | 19,285 | 9,760 | 21,535 | 17,375 | 14,750 |
| Wisconsin | 3,672 | 5,279 | 10,030 | 10,890 | 12,375 | 13,640 | 13,825 | 13,950 | 9,600 | 11,520 |

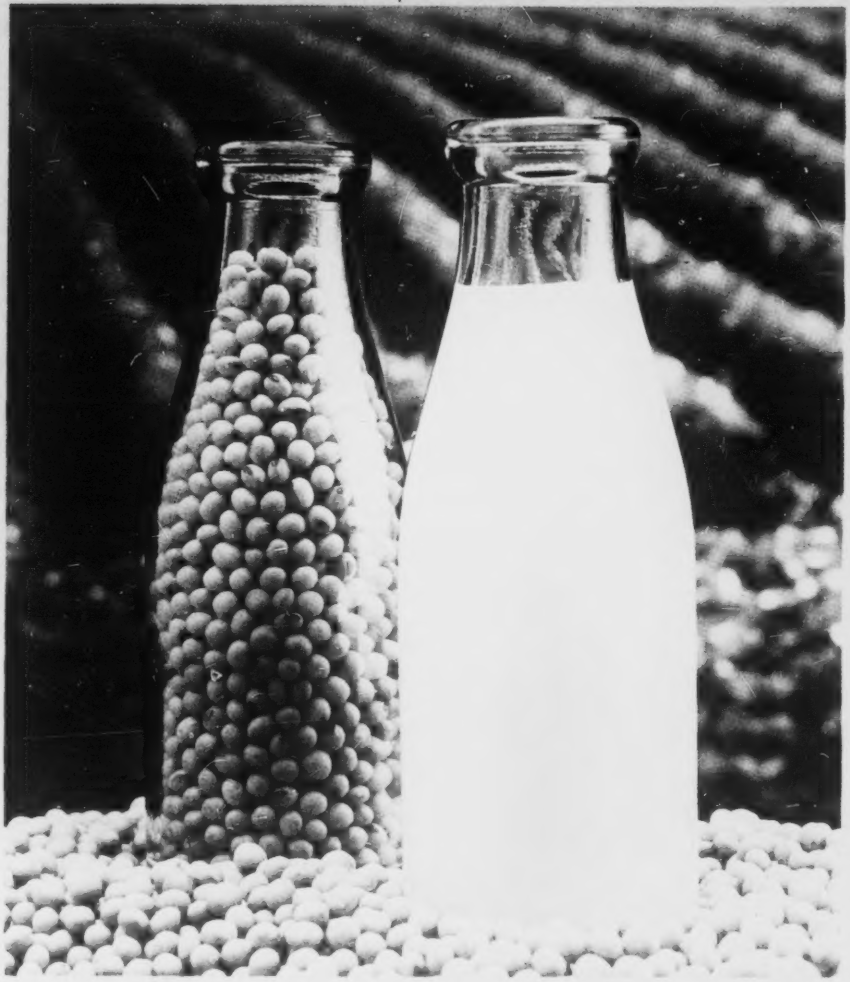
Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

## U.S. HARVESTED ACREAGE OF MAJOR CROPS



# U.S. YIELD PER ACRE OF MAJOR CROPS





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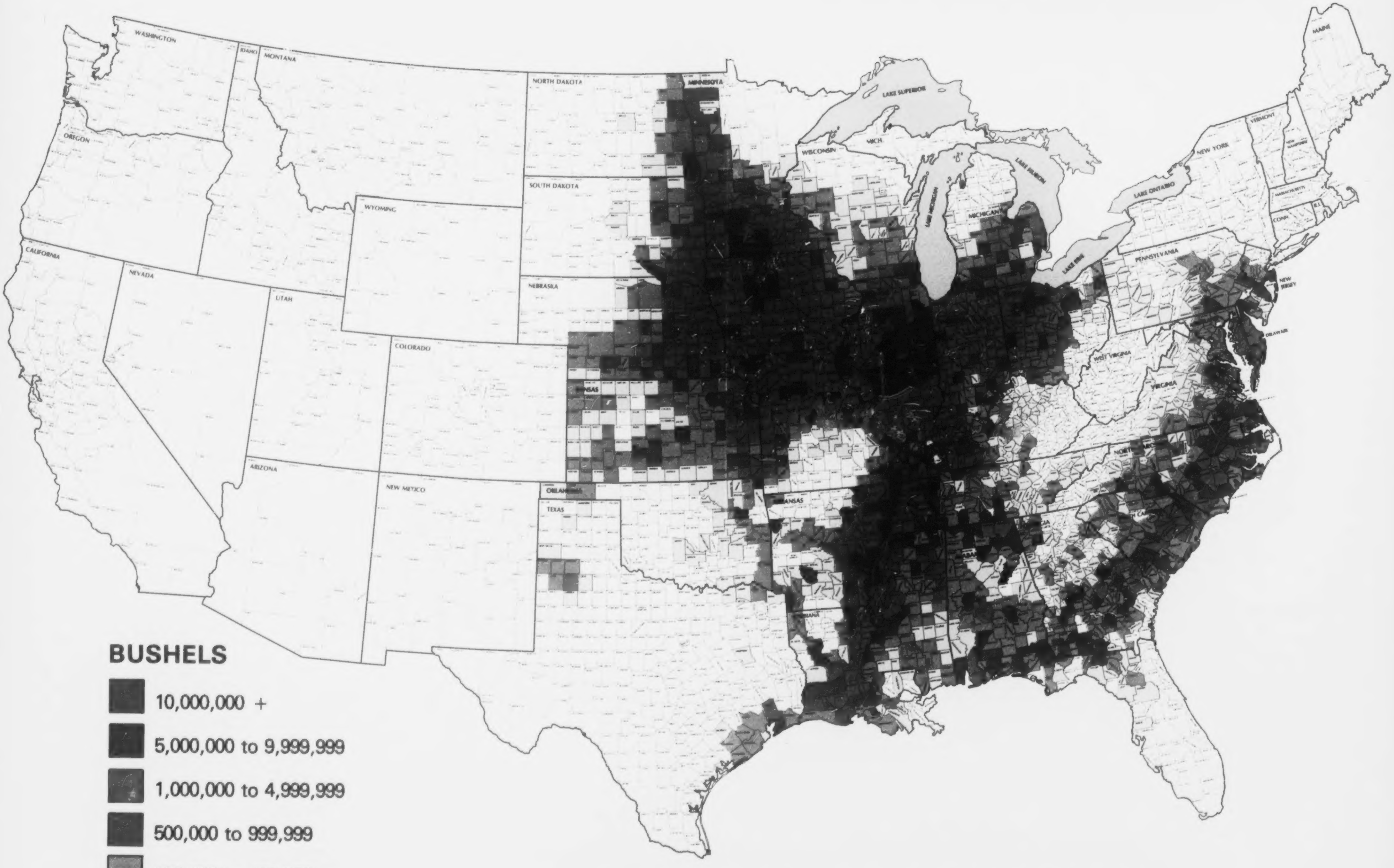
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CONN.
R.I.
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COLORADO
NEBRASKA
KANSAS
WEST VIRGINIA
VIRGINIA
ARIZONA
NEW MEXICO
OKLAHOMA
TEXAS
ARKANSAS
LOUISIANA

**BUSHELS**

- ■ 10,000,000 +
- ■ 5,000,000 to 9,999,999
- ▨ 1,000,000 to 4,999,999
- ■ 500,000 to 999,999
- ▨ 100,000 to 499,999
- ☐ 10,000 to 99,999

# SOYBEAN PRODUCTION

1985 PRODUCTION (bushels)

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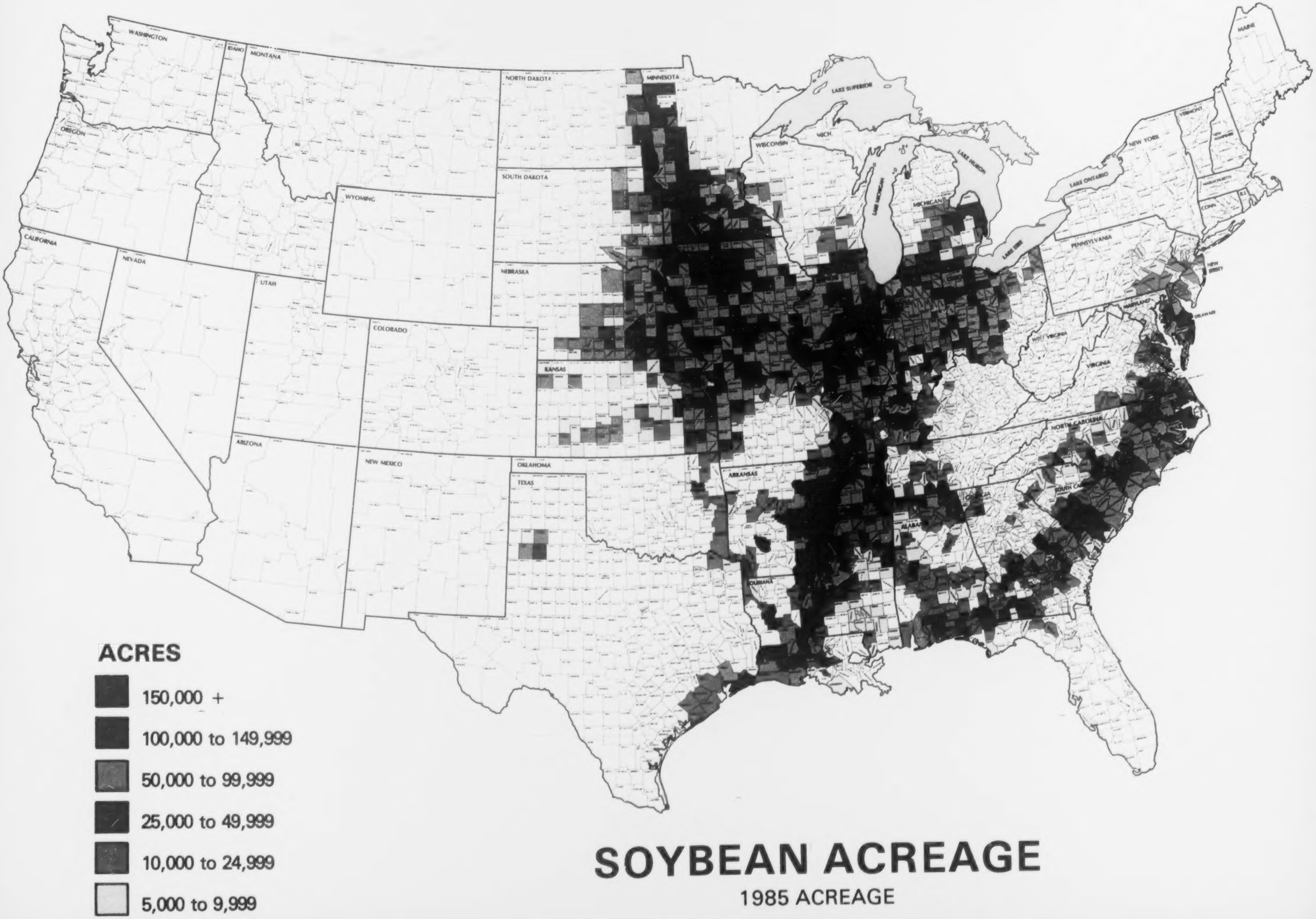
WASHINGTON
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MICHIGAN
LAKE MICHIGAN
LAKE HURON
NEW YORK
VERMONT
MAINE
NEW HAMPSHIRE
LAKE ONTARIO
MASSACHUSETTS
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CONN.
CALIFORNIA
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NEBRASKA
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NEW JERSEY
OHIO
MARYLAND
DELAWARE
COLORADO
KANSAS
WEST VIRGINIA
VIRGINIA
ARIZONA
NEW MEXICO
OKLAHOMA
TEXAS
ARKANSAS
NORTH CAROLINA
SOUTH CAROLINA
GEORGIA
ALABAMA
LOUISIANA
ACRES
150,000 +
100,000 to 149,999
50,000 to 99,999
25,000 to 49,999
10,000 to 24,999
5,000 to 9,999

# SOYBEAN ACREAGE

1985 ACREAGE

## CANADIAN SOYBEAN PRODUCTION

### Acreage, Yield, Production, Farm Price and Value

### 1950-1986

| Crop Year | Harvested Acreage (Th. Acres) | Avg. Yield per Harvested Acre (Bu./Acre) | Production (Th. Bu.) | Avg. Farm Price ($/Bu.) | Total Farm Value (Th. $) |
|---|---|---|---|---|---|
| 1950-51 | 142 | 23.4 | 3,323 | 2.55 | 8,474 |
| 1955-56 | 214 | 26.4 | 5,650 | 2.09 | 11,808 |
| 1960-61 | 227 | 22.0 | 4,997 | 2.03 | 11,521 |
| 1963-64 | 227 | 22.0 | 4,997 | 2.80 | 14,006 |
| 1964-65 | 230 | 30.4 | 6,981 | 2.87 | 20,021 |
| 1965-66 | 264 | 30.5 | 8,047 | 2.70 | 21,681 |
| 1966-67 | 279 | 32.3 | 9,002 | 3.00 | 27,036 |
| 1967-68 | 289 | 28.0 | 8,084 | 2.68 | 21,684 |
| 1968-69 | 294 | 31.3 | 9,039 | 2.42 | 21,845 |
| 1969-70 | 321 | 24.0 | 7,716 | 2.61 | 20,003 |
| 1970-71 | 336 | 31.0 | 10,398 | 2.78 | 28,906 |
| 1971-72 | 368 | 28.0 | 10,288 | 3.17 | 32,575 |
| 1972-73 | 405 | 34.0 | 13,779 | 5.73 | 78,902 |
| 1973-74 | 469 | 31.1 | 14,587 | 6.17 | 89,897 |
| 1974-75 | 415 | 27.0 | 11,060 | 6.08 | 62,563 |
| 1975-76 | 390 | 34.6 | 13,485 | 4.92 | 54,051 |
| 1976-77 | 378 | 24.3 | 9,186 | 7.13 | 65,496 |
| 1977-78 | 551 | 38.7 | 21,311 | 6.18 | 131,702 |
| 1978-79 | 704 | 26.9 | 18,960 | 7.81 | 148,078 |
| 1979-80 | 689 | 35.0 | 24,140 | 6.96 | 168,014 |
| 1980-81 | 684 | 37.1 | 25,353 | 8.33 | 211,182 |
| 1981-82 | 689 | 32.4 | 22,303 | 7.16 | 159,689 |
| 1982-83 | 899 | 34.6 | 31,158 | 6.68 | 208,135 |
| 1983-84 | 899 | 30.0 | 27,007 | 9.36 | 252,786 |
| 1984-85 | 1,030 | 33.3 | 34,319 | 7.35 | 252,244 |
| 1985-86 | 1,050 | 36.7 | 38,504 | 6.89 | 265,293 |

Source: Compiled from records of STATISTICS CANADA. U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## ARGENTINE SOYBEAN AREA, YIELD AND PRODUCTION BY PROVINCE
## 1975 - 1987[1]

### Area Harvested for Beans (Thousand Hectares)

| | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[2] | 1987[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| Santa Fe | 208 | 858 | 967 | 832 | 896 | 927 | 1,271 | 1,425 | 1,300 | 1,425 |
| Buenos Aires | 29 | 257 | 454 | 412 | 547 | 554 | 678 | 762 | 845 | 975 |
| Cordoba | 46 | 257 | 332 | 325 | 383 | 620 | 763 | 855 | 960 | 1,010 |
| Tucuman | 23 | 73 | 82 | 72 | 77 | 144 | 163 | 181 | 196 | 192 |
| Corrientes | 17 | 45 | 46 | 24 | 20 | 36 | 36 | 44 | 49 | 48 |
| Total | 356 | 1,600 | 2,030 | 1,740 | 1,986 | 2,281 | 2,910 | 3,269 | 3,350 | 3,650 |

### Average Yield per Hectare for Beans (Metric Tons)

| | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[2] | 1987[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| Santa Fe | 1.373 | 2.329 | 1.788 | 2.016 | 2.066 | 1.532 | 2.511 | 2.147 | 2.250 | 2.158 |
| Buenos Aires | 1.254 | 2.000 | 1.978 | 2.006 | 1.704 | 1.679 | 2.308 | 1.819 | 2.107 | 2.026 |
| Cordoba | 1.339 | 2.523 | 1.520 | 2.102 | 2.221 | 2.145 | 2.400 | 1.967 | 2.240 | 2.203 |
| Tucuman | 1.293 | 1.987 | 1.759 | 2.095 | 2.193 | 1.083 | 1.985 | 1.740 | 1.816 | 1.771 |
| Corrientes | 1.457 | 1.093 | 1.530 | 1.500 | 1.778 | 0.917 | 2.020 | 1.295 | 1.816 | 1.771 |
| Total | 1.362 | 2.313 | 1.773 | 2.011 | 2.090 | 1.754 | 2.400 | 1.988 | 2.179 | 2.109 |

### Total Production of Beans (Thousand Metric Tons)

| | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[2] | 1987[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| Santa Fe | 285 | 2,180 | 1,769 | 1,679 | 1,850 | 1,420 | 3,197 | 3,059 | 2,925 | 3,075 |
| Buenos Aires | 37 | 520 | 908 | 836 | 905 | 930 | 1,568 | 1,386 | 1,780 | 1,975 |
| Cordoba | 64 | 656 | 463 | 698 | 1,024 | 1,330 | 1,848 | 1,682 | 2,150 | 2,225 |
| Tucuman | 28 | 149 | 138 | 153 | 167 | 156 | 323 | 315 | 356 | 340 |
| Corrientes | 26 | 35 | 73 | 35 | 34 | 33 | 73 | 57 | 89 | 85 |
| Total | 485 | 3,700 | 3,600 | 3,500 | 4,150 | 4,000 | 7,000 | 6,500 | 7,300 | 7,700 |

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[1] Local crop year. [2] Estimate. [3] Forecast. Source: U.S. Department of Agriculture, Foreign Agricultural Service.

## BRAZILIAN SOYBEAN AREA, YIELD AND PRODUCTION BY STATE
## 1975 - 1987[1]

### Area Harvested for Beans (Thousand Hectares)

| | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[2] | 1987[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| Rio Grande/Sul | 3,113 | 4,032 | 3,988 | 3,823 | 3,528 | 3,337 | 3,710 | 3,761 | 3,224 | 3,300 |
| Parana | 1,632 | 2,341 | 2,411 | 2,254 | 2,093 | 1,983 | 2,279 | 2,391 | 1,843 | 1,850 |
| Mato Grosso/Sul[4] | 194 | 580 | 807 | 777 | 840 | 926 | 986 | 1,251 | 1,206 | 1,220 |
| Sao Paulo | 391 | 536 | 561 | 544 | 514 | 506 | 540 | 543 | 476 | 450 |
| Santa Catarina | 361 | 475 | 520 | 485 | 443 | 395 | 488 | 468 | 382 | 375 |
| Goias | 56 | 153 | 246 | 291 | 316 | 375 | 535 | 598 | 622 | 550 |
| Minas Gerais | 76 | 117 | 162 | 187 | 228 | 253 | 294 | 349 | 430 | 425 |
| Mato Grosso | | 19 | 70 | 120 | 193 | 343 | 591 | 641 | 913 | 1,020 |
| Total | 5,824 | 8,256 | 8,774 | 8,501 | 8,202 | 8,136 | 9,423 | 10,089 | 9,275 | 9,400 |

### Average Yield per Hectare for Beans (Metric Tons)

| | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[2] | 1987[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| Rio Grande/Sul | 1.510 | 0.900 | 1.439 | 1.616 | 1.189 | 1.530 | 1.409 | 1.524 | 1.048 | 1.500 |
| Parana | 2.220 | 1.709 | 2.240 | 2.229 | 2.006 | 2.201 | 1.880 | 2.202 | 1.546 | 2.041 |
| Mato Grosso/Sul[4] | 1.410 | 1.426 | 1.639 | 1.757 | 1.830 | 2.007 | 1.861 | 1.997 | 1.629 | 1.844 |
| Sao Paulo | 1.730 | 1.583 | 1.960 | 1.926 | 1.931 | 2.011 | 1.856 | 2.081 | 1.929 | 1.922 |
| Santa Catarina | 1.290 | 0.894 | 1.381 | 1.357 | 1.204 | 1.163 | 1.186 | 1.338 | 1.304 | 1.307 |
| Goias | 1.300 | 1.850 | 1.852 | 1.337 | 1.773 | 1.942 | 1.537 | 1.890 | 1.814 | 1.818 |
| Minas Gerais | 1.140 | 1.665 | 1.783 | 1.512 | 1.711 | 1.912 | 1.721 | 1.890 | 1.812 | 1.824 |
| Mato Grosso | | 1.850 | 1.664 | 1.692 | 1.887 | 2.124 | 1.937 | 1.808 | 2.104 | 2.059 |
| Total | 1.698 | 1.240 | 1.727 | 1.778 | 1.565 | 1.813 | 1.631 | 1.804 | 1.477 | 1.755 |

### Total Production of Beans (Thousand Metric Tons)

| | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[2] | 1987[3] |
|---|---|---|---|---|---|---|---|---|---|---|
| Rio Grande/Sul | 4,688 | 3,630 | 5,737 | 6,178 | 4,196 | 5,109 | 5,227 | 5,732 | 3,400 | 4,950 |
| Parana | 3,625 | 4,000 | 5,400 | 5,023 | 4,200 | 4,365 | 4,288 | 5,263 | 2,850 | 3,775 |
| Mato Grosso/Sul[4] | 273 | 827 | 1,323 | 1,366 | 1,537 | 1,858 | 1,833 | 2,498 | 1,965 | 2,250 |
| Sao Paulo | 678 | 848 | 1,099 | 1,047 | 993 | 1,018 | 1,001 | 1,130 | 918 | 865 |
| Santa Catarina | 467 | 425 | 719 | 658 | 534 | 460 | 578 | 626 | 498 | 490 |
| Goias | 73 | 282 | 456 | 389 | 561 | 728 | 822 | 1,130 | 1,128 | 1,000 |
| Minas Gerais | 87 | 195 | 290 | 283 | 390 | 483 | 505 | 661 | 779 | 775 |
| Mato Grosso | | 282 | 117 | 228 | 366 | 728 | 1,145 | 1,159 | 1,921 | 2,100 |
| Total | 9,892 | 10,240 | 15,156 | 15,200 | 12,835 | 14,750 | 15,400 | 18,200 | 13,700 | 16,500 |

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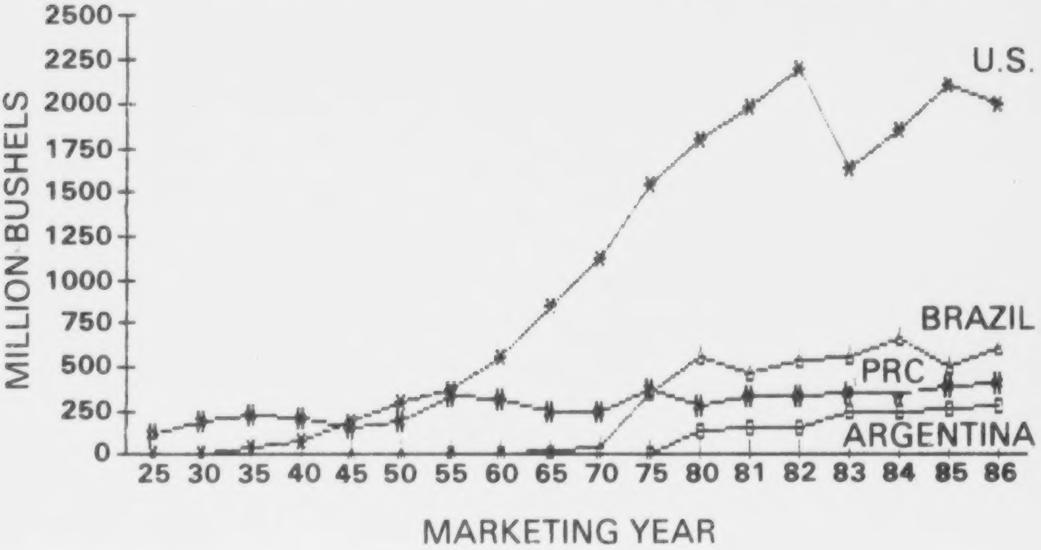
[1] Local crop year. [2] Estimate. [3] Forecast. [4] Before 1979, Mato Grosso and Mato Grosso/Sul were one state. Source: U.S. Department of Agriculture, Foreign Agricultural Service.

## CANADIAN SOYBEAN PRODUCTION AND UTILIZATION
### 1950-1985

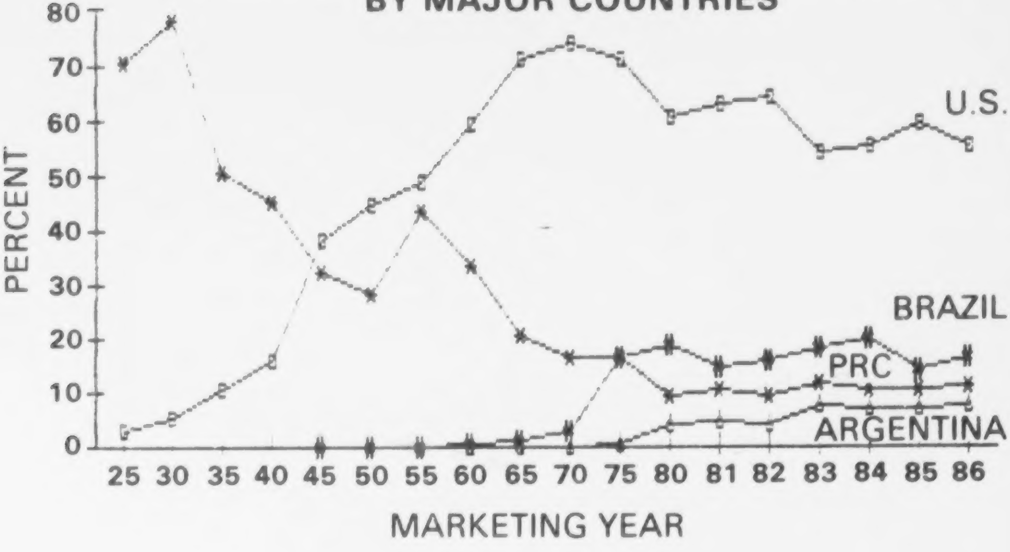
| Year beg. Aug. 1 | Production (Th. Bu.) | Imports (Th. Bu.) | Supplies (Th. Bu.) | Exports of Beans (Th. Bu.) | Processed for Oil and Meal (Th. Bu.) | Soy Oil Produced (Th. Lb.) | Soybean Oilcake Produced (Short Tons) |
|---|---|---|---|---|---|---|---|
| 1950 | 3,323 | 4,723 | 8,046 | – | 7,393 | 72,676 | 176,343 |
| 1955 | 5,650 | 8,309 | 13,959 | 1,492 | 11,799 | 124,171 | 279,095 |
| 1960 | 4,997 | 12,345 | 17,346 | 1,381 | 16,279 | 173,837 | 380,558 |
| 1963 | 4,997 | 15,656 | 20,658 | 1,614 | 18,606 | 192,655 | 441,526 |
| 1964 | 6,981 | 16,461 | 23,442 | 3,197 | 19,401 | 198,413 | 461,868 |
| 1965 | 8,047 | 17,049 | 25,096 | 2,168 | 20,650 | 205,026 | 491,631 |
| 1966 | 9,002 | 16,277 | 25,279 | 3,601 | 19,878 | 200,617 | 473,994 |
| 1967 | 8,084 | 13,338 | 21,422 | 1,580 | 19,842 | 198,413 | 471,789 |
| 1968 | 9,039 | 12,456 | 21,495 | 1,139 | 20,062 | 205,026 | 476,198 |
| 1969 | 7,716 | 17,380 | 25,096 | 1,102 | 23,883 | 244,709 | 563,281 |
| 1970 | 10,398 | 15,726 | 26,124 | 808 | 23,589 | 240,300 | 553,360 |
| 1971 | 10,288 | 14,808 | 25,096 | 1,396 | 23,296 | 240,300 | 544,542 |
| 1972 | 13,779 | 10,986 | 24,765 | 1,102 | 22,487 | 218,254 | 532,416 |
| 1973 | 14,587 | 12,493 | 27,080 | 1,102 | 23,589 | 240,300 | 554,462 |
| 1974 | 11,060 | 12,713 | 23,773 | 294 | 23,295 | 238,095 | 550,053 |
| 1975 | 13,485 | 13,595 | 27,080 | 808 | 25,721 | 262,346 | 606,271 |
| 1976 | 9,186 | 14,404 | 23,590 | 2,919 | 22,303 | 227,072 | 528,007 |
| 1977 | 21,311 | 9,664 | 30,975 | 2,352 | 26,749 | 273,368 | 625,010 |
| 1978 | 18,960 | 12,860 | 31,820 | 3,344 | 27,301 | 284,392 | 636,033 |
| 1979 | 24,140 | 15,506 | 39,646 | 1,984 | 34,466 | 346,120 | 813,506 |
| 1980 | 25,353 | 14,734 | 40,087 | 5,218 | 34,172 | 350,595 | 806,612 |
| 1981 | 22,303 | 15,579 | 37,882 | 3,050 | 35,347 | 361,620 | 835,262 |
| 1982 | 31,158 | 15,396 | 46,554 | 4,299 | 38,324 | 394,627 | 918,225 |
| 1983 | 27,007 | 10,288 | 37,295 | 2,241 | 34,429 | 363,763 | 809,096 |
| 1984 | 34,683 | 8,413 | 43,090 | 4,556 | 34,095 | 374,782 | 795,861 |
| 1985 | 38,504 | 6,480 | 44,934 | 6,356 | 32,846 | 343,918 | 767,201 |

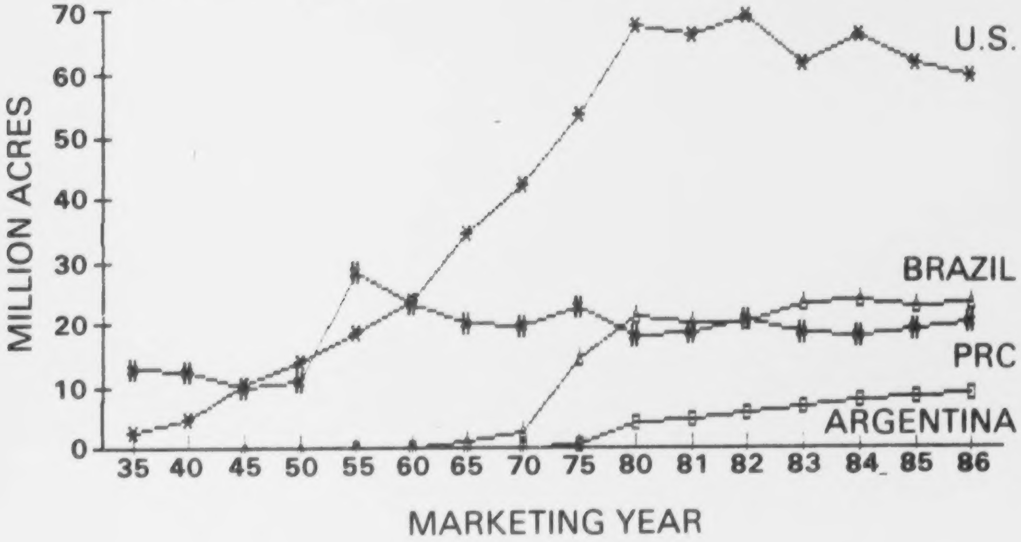
Source: Compiled from records of STATISTICS CANADA. U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

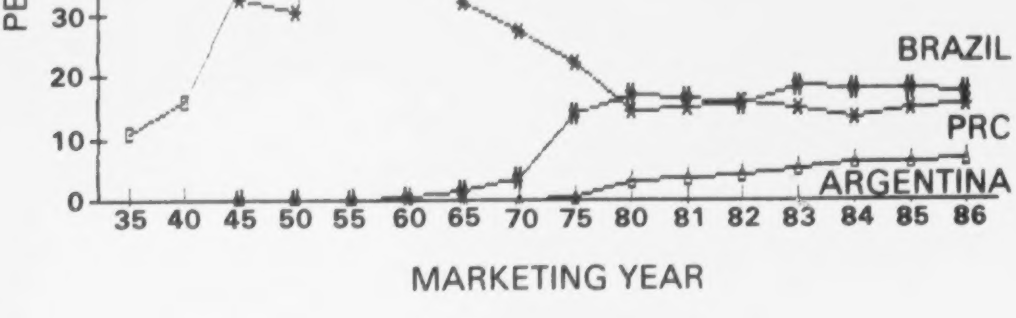
## SOYBEAN PRODUCTION BY MAJOR COUNTRIES



## SHARE OF WORLD SOYBEAN PRODUCTION BY MAJOR COUNTRIES




SOYBEAN ACREAGE BY MAJOR COUNTRIES


SHARE OF WORLD SOYBEAN ACREAGE BY MAJOR COUNTRIES

## WORLD SOYBEAN PRODUCTION

### Area and Production in Specified Countries and the World Total

### 1981/82 - 1986/87[1]

|  | Area[2] |  |  |  |  |  | Production |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 1981/82 | 1982/83 | 1983/84 | 1984/85 | 1985/86 | 1986/87[3] | 1981/82 | 1982/83 | 1983/84 | 1984/85 | 1985/86 | 1986/87[3] |
| Country or Region | (Thousand Hectares) |  |  |  |  |  | (Thousand Metric Tons) |  |  |  |  |  |
| **NORTH AMERICA:** |  |  |  |  |  |  |  |  |  |  |  |  |
| Canada | 279 | 364 | 364 | 417 | 425 | 405 | 607 | 848 | 735 | 944 | 1,048 | 988 |
| Mexico | 370 | 350 | 350 | 350 | 370 | 320 | 680 | 550 | 600 | 550 | 750 | 600 |
| United States[4] | 26,776 | 28,102 | 25,303 | 26,755 | 24,922 | 24,050 | 54,135 | 59,610 | 44,518 | 50,644 | 57,113 | 54,622 |
| **CENTRAL & SOUTH AMERICA:** |  |  |  |  |  |  |  |  |  |  |  |  |
| Argentina | 1,986 | 2,281 | 2,910 | 3,270 | 3,350 | 3,650 | 4,150 | 4,200 | 7,000 | 6,750 | 7,300 | 7,700 |
| Bolivia | 49 | 33 | 36 | 66 | 57 | 55 | 86 | 52 | 58 | 104 | 140 | 110 |
| Brazil | 8,202 | 8,136 | 9,421 | 10,153 | 9,364 | 9,300 | 12,835 | 14,750 | 15,541 | 18,278 | 13,900 | 17,000 |
| Chile | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 49 | 60 | 51 | 54 | 74 | 70 | 99 | 122 | 94 | 104 | 154 | 140 |
| Ecuador | 21 | 20 | 5 | 25 | 32 | 44 | 35 | 35 | 6 | 46 | 57 | 78 |
| Guatemala | 1 | 1 | 3 | 5 | 5 | 15 | 1 | 2 | 3 | 9 | 9 | 30 |
| Jamaica | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Paraguay[5] | 420 | 350 | 420 | 550 | 550 | 530 | 600 | 520 | 550 | 950 | 600 | 950 |
| Peru | 6 | 1 | 1 | 1 | 1 | 3 | 8 | 2 | 2 | 2 | 2 | 6 |
| Uruguay | 22 | 9 | 8 | 14 | 25 | 50 | 25 | 12 | 10 | 21 | 45 | 75 |
| Venezuela | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 1 | 2 |
| **AFRICA:** |  |  |  |  |  |  |  |  |  |  |  |  |
| Egypt | 46 | 60 | 67 | 46 | 50 | 50 | 130 | 166 | 162 | 143 | 140 | 140 |
| Morocco | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 3 |
| Nigeria[6] | 165 | 165 | 200 | 205 | 210 | 220 | 60 | 65 | 50 | 60 | 68 | 75 |
| Zambia | 5 | 5 | 9 | 10 | 12 | 14 | 7 | 7 | 11 | 12 | 14 | 17 |
| South Africa[5] | 22 | 30 | 35 | 23 | 30 | 30 | 21 | 26 | 32 | 35 | 34 | 40 |
| Zimbabwe | 60 | 61 | 56 | 44 | 43 | 50 | 89 | 79 | 90 | 86 | 71 | 95 |

| | Area[2] | | | | | | Production | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1981/82 | 1982/83 | 1983/84 | 1984/85 | 1985/86 | 1986/87[3] | 1981/82 | 1982/83 | 1983/84 | 1984/85 | 1985/86 | 1986/87[3] |
| **Country or Region** | (Thousand Hectares) | | | | | | (Thousand Metric Tons) | | | | | |
| **EUROPE:** | | | | | | | | | | | | |
| Bulgaria | 94 | 69 | 64 | 72 | 71 | 65 | 113 | 116 | 82 | 72 | 39 | 65 |
| Czechoslovakia | 2 | 3 | 3 | 3 | 2 | 2 | 6 | 6 | 5 | 4 | 3 | 3 |
| France | 9 | 9 | 12 | 22 | 28 | 46 | 18 | 16 | 25 | 31 | 46 | 83 |
| Hungary | 24 | 24 | 30 | 30 | 24 | 30 | 43 | 54 | 52 | 50 | 45 | 50 |
| Italy | 3 | 3 | 25 | 36 | 92 | 230 | 9 | 9 | 62 | 110 | 283 | 740 |
| Romania | 310 | 269 | 275 | 292 | 319 | 305 | 268 | 301 | 259 | 407 | 317 | 375 |
| Spain | 4 | 3 | 1 | 2 | 3 | 3 | 6 | 5 | 2 | 4 | 5 | 8 |
| Yugoslavia | 48 | 77 | 107 | 114 | 101 | 96 | 92 | 198 | 210 | 228 | 174 | 225 |
| **SOVIET UNION:** | 864 | 876 | 842 | 772 | 738 | 766 | 491 | 536 | 560 | 469 | 458 | 500 |
| **ASIA:** | | | | | | | | | | | | |
| Burma | 28 | 29 | 28 | 30 | 30 | 30 | 19 | 20 | 22 | 22 | 22 | 22 |
| China: | | | | | | | | | | | | |
| P.R.C. | 8,024 | 8,419 | 7,567 | 7,286 | 7,718 | 8,238 | 9,325 | 9,030 | 9,760 | 9,695 | 10,500 | 11,547 |
| Taiwan | 8 | 6 | 6 | 7 | 9 | 9 | 12 | 9 | 10 | 12 | 15 | 16 |
| India | 622 | 770 | 836 | 1,243 | 1,301 | 1,350 | 467 | 491 | 614 | 955 | 982 | 1,100 |
| Indonesia | 608 | 640 | 859 | 896 | 910 | 1,000 | 521 | 536 | 769 | 870 | 890 | 980 |
| Iran | 50 | 55 | 51 | 55 | 60 | 60 | 125 | 130 | 96 | 80 | 130 | 130 |
| Japan[5] | 149 | 147 | 143 | 134 | 134 | 138 | 212 | 226 | 217 | 238 | 228 | 245 |
| Korea, North | 300 | 300 | 300 | 300 | 300 | 320 | 330 | 330 | 330 | 330 | 330 | 350 |
| Korea, Republic of[5] | 202 | 183 | 182 | 190 | 156 | 133 | 257 | 233 | 226 | 254 | 234 | 199 |
| Pakistan | 3 | 4 | 2 | 4 | 4 | 10 | 2 | 3 | 1 | 2 | 1 | 3 |
| Philippines | 11 | 9 | 8 | 7 | 8 | 8 | 11 | 8 | 8 | 7 | 8 | 8 |
| Thailand[5] | 125 | 101 | 156 | 193 | 241 | 237 | 132 | 113 | 179 | 246 | 309 | 320 |
| Turkey | 17 | 24 | 24 | 28 | 45 | 60 | 15 | 36 | 46 | 60 | 75 | 120 |
| Vietnam | 104 | 97 | 89 | 120 | 130 | 135 | 76 | 64 | 67 | 86 | 90 | 95 |
| **OCEANIA:** | | | | | | | | | | | | |
| Australia | 41 | 48 | 48 | 63 | 79 | 76 | 77 | 53 | 89 | 110 | 106 | 126 |
| **WORLD TOTAL** | 50,130 | 52,194 | 50,898 | 53,890 | 52,025 | 52,207 | 86,196 | 93,570 | 83,154 | 93,083 | 96,737 | 99,981 |

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[1] Split years shown refer to years of harvest, Northern Hemisphere crops which are harvested in the first part of the split year (for example September-October 1981) and Southern Hemisphere crops which are harvested in the first part of the following year (for example March-April 1982). In this example, the split year designation would be 1981/82. [2] Figures refer to harvested areas as far as possible. [3] Estimated. [4] Hectares harvested for soybeans. [5] Planted area. [6] Quantities purchased by the Nigerian Marketing Board for exports.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## U.S. SOYBEANS: SUPPLY, DISPOSITION, ACREAGE/YIELD AND PRICE
## 1970-1986

**Year beginning September**

| | 1970 | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[1] |
|---|---|---|---|---|---|---|---|---|---|---|
| **SUPPLY (MIL. BUSHELS)** | | | | | | | | | | |
| Beginning stocks, Sept. 1 | 230.0 | 188.2 | 176.0 | 358.0 | 313.0 | 254.0 | 345.0 | 176.0 | 316.0 | 536.0 |
| Production | 1,127.0 | 1,547.4 | 2,261.0 | 1,798.0 | 1,989.0 | 2,190.0 | 1,636.0 | 1,861.0 | 2,099.0 | 2,007.0 |
| Total Supply | 1,357.0 | 1,735.6 | 2,437.0 | 2,156.0 | 2,302.0 | 2,444.0 | 1,981.0 | 2,037.0 | 2,415.0 | 2,543.0 |
| **DISPOSITION (MIL. BUSHELS)** | | | | | | | | | | |
| Crushings | 760.0 | 865.1 | 1,123.0 | 1,020.0 | 1,030.0 | 1,108.0 | 983.0 | 1,030.0 | 1,053.0 | 1,105.0 |
| Exports | 434.0 | 555.1 | 875.0 | 724.0 | 929.0 | 905.0 | 740.0 | 598.0 | 740.0 | 730.0 |
| Seed/Feed | 49.0 | 54.7 | 68.0 | 66.0 | 70.0 | 61.0 | 66.0 | 61.0 | 60.0 | 57.0 |
| Residual | 15.0 | 15.8 | 13.0 | 33.0 | 19.0 | 25.0 | 16.0 | 32.0 | 26.0 | 36.0 |
| Total Disposition | 1,258.0 | 1,490.7 | 2,079.0 | 1,843.0 | 2,048.0 | 2,099.0 | 1,805.0 | 1,721.0 | 1.879.0 | 1,928.0 |
| Ending stocks, Aug. 31 | 99.0 | 244.9 | 358.0 | 313.0 | 254.0 | 345.0 | 176.0 | 316.0 | 536.0 | 615.0 |
| Stocks % of Usage | 7.9 | 16.4 | 17.2 | 17.0 | 12.4 | 16.4 | 9.8 | 18.4 | 28.5 | 31.9 |
| **ACREAGE AND YIELD (MIL. ACRES)** | | | | | | | | | | |
| Acreage planted | 43.1 | 54.6 | 71.6 | 70.0 | 68.0 | 71.5 | 63.5 | 67.7 | 63.1 | 61.4 |
| Acreage harvested for beans | 42.2 | 53.6 | 70.3 | 67.8 | 66.2 | 69.4 | 61.8 | 66.0 | 61.6 | 59.4 |
| Percent harvested (%) | 97.9 | 98.3 | 98.2 | 96.9 | 97.4 | 97.1 | 97.3 | 98.0 | 97.6 | 96.7 |
| Yield (Bu./Acre) | 26.7 | 28.9 | 32.1 | 26.4 | 30.1 | 31.5 | 26.5 | 28.2 | 34.1 | 33.8 |
| **PRICE PER BUSHEL (DOLLARS)** | | | | | | | | | | |
| Support (U.S. farm basis) | 2.25 | — | 4.50 | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 5.02 | 4.56 |
| Farm Price | 2.85 | 4.92 | 6.28 | 7.57 | 6.08 | 5.65 | 7.75 | 5.85 | 5.05 | 4.70 |
| No. 1 Yellow, IL pts. | 3.00 | 5.26 | 6.51 | 7.68 | 6.27 | 6.12 | 7.86 | 5.98 | 5.30 | |

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[1] Forecast. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (March 87), U.S. Department of Agriculture, Economic Research Service.

## U.S. SOYBEAN MEAL AND OIL: SUPPLY AND DISPOSITION
## 1970-1986

Year beginning October

| | 1970 | 1975 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986[1] |
|---|---|---|---|---|---|---|---|---|---|---|
| **SOYBEAN MEAL (THOUSAND SHORT TONS)** | | | | | | | | | | |
| Beginning stocks, Oct. 1 | 137 | 358 | 267 | 226 | 163 | 175 | 474 | 255 | 387 | 212 |
| Production | 18,035 | 20,754 | 27,105 | 24,314 | 24,634 | 26,700 | 22,758 | 24,529 | 24,951 | 25,968 |
| Total Supply | 18,172 | 21,112 | 27,372 | 24,540 | 24,797 | 26,875 | 23,232 | 24,784 | 25,338 | 26,180 |
| Domestic Usage | 13,467 | 15,612 | 19,238 | 17,600 | 17,714 | 19,450 | 17,541 | 19,480 | 19,118 | 19,500 |
| Exports | 4,559 | 5,145 | 7,908 | 6,777 | 6,908 | 7,050 | 5,436 | 4,917 | 6,008 | 6,350 |
| Total Usage | 18,026 | 20,757 | 27,146 | 24,377 | 24,622 | 26,500 | 22,977 | 24,397 | 25,126 | 28,850 |
| Ending Stocks, Sept. 30 | 146 | 355 | 226 | 163 | 175 | 375 | 255 | 387 | 212 | 330 |
| **SOYBEAN OIL (MIL. POUNDS)** | | | | | | | | | | |
| Beginning Stocks, Oct. 1 | 543 | 561 | 776 | 1,210 | 1,736 | 1,103 | 1,261 | 721 | 632 | 947 |
| Production | 8,265 | 9,630 | 12,105 | 11,270 | 10,979 | 12,017 | 10,872 | 11,468 | 11,617 | 12,003 |
| Total Supply | 8,808 | 10,191 | 12,881 | 12,480 | 12,715 | 13,120 | 12,133 | 12,209 | 12,257 | 12,950 |
| Domestic Usage | 6,293 | 7,964 | 8,981 | 9,110 | 9,536 | 9,850 | 9,593 | 9,917 | 10,053 | 10,500 |
| Exports | 1,742 | 976 | 2,690 | 1,629 | 2,077 | 1,900 | 1,814 | 1,660 | 1,257 | 1,250 |
| Total Usage | 8,035 | 8,940 | 11,671 | 10,739 | 11,613 | 11,750 | 11,412 | 11,577 | 11,310 | 11,750 |
| Ending Stocks, Sept. 30 | 773 | 1,251 | 1,210 | 1,741 | 1,102 | 1,370 | 721 | 632 | 947 | 1,200 |

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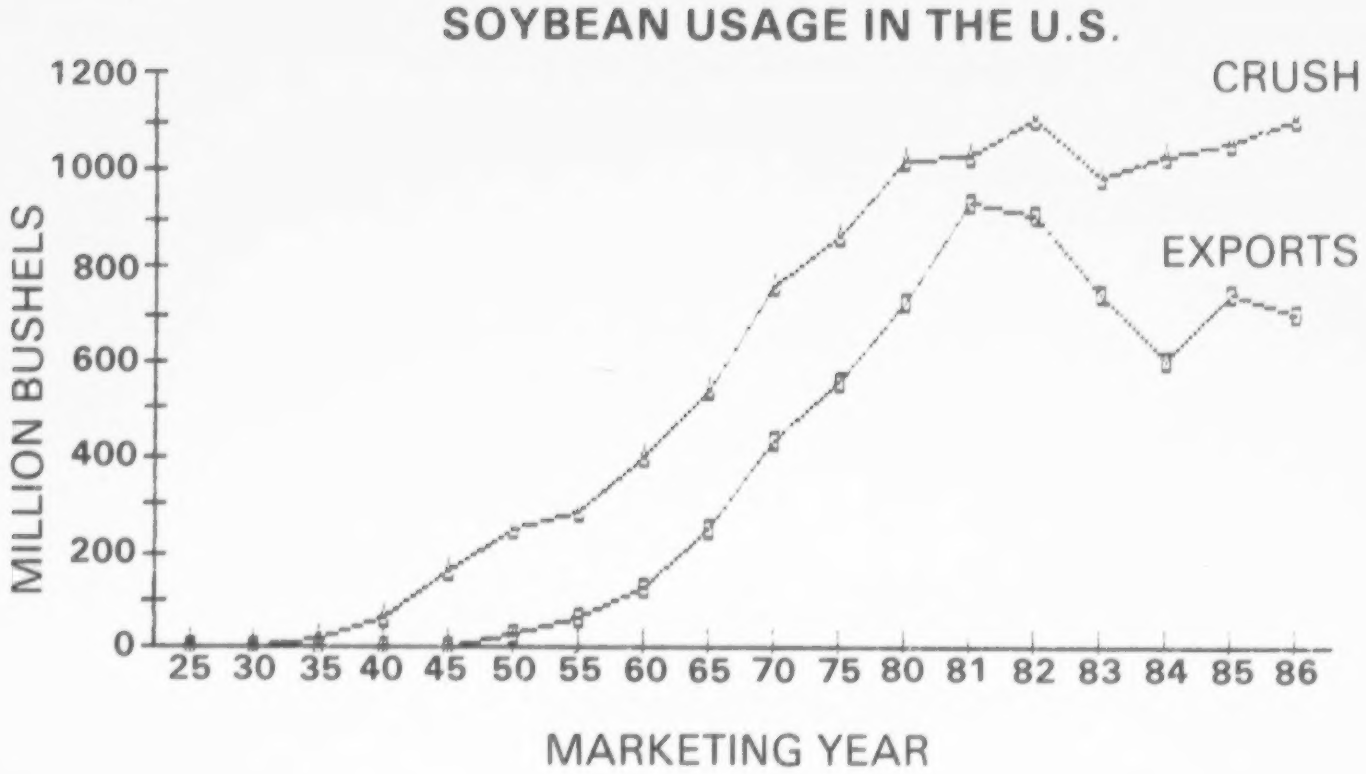
[1] Estimate. Source: U.S. Department of Agriculture, Economic Research Service, World Outlook Board.



SOYBEAN USAGE IN THE U.S.

## PRICES OF U.S. SOYBEANS: NO. 1 YELLOW

### Average Price Per Bushel, Illinois Country Shipping Points By Month (In Dollars)

| Year[1] | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | AVERAGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950 | 2.45 | 2.30 | 2.72 | 2.95 | 3.10 | 3.25 | 3.25 | 3.25 | 3.24 | 3.04 | 2.94 | 2.87 | 2.95 |
| 1955 | 2.24 | 2.22 | 2.19 | 2.27 | 2.35 | 2.45 | 2.56 | 2.85 | 3.10 | 2.97 | 2.54 | 2.40 | 2.51 |
| 1960 | 2.07 | 2.04 | 2.05 | 2.15 | 2.39 | 2.66 | 2.88 | 3.14 | 3.06 | 2.73 | 2.59 | 2.63 | 2.53 |
| 1965 | 2.61 | 2.38 | 2.49 | 2.62 | 2.77 | 2.84 | 2.82 | 2.92 | 3.03 | 3.30 | 3.49 | 3.63 | 2.91 |
| 1970 | 2.75 | 2.90 | 2.97 | 2.88 | 2.99 | 3.01 | 3.00 | 2.91 | 2.99 | 3.12 | 3.30 | 3.23 | 3.00 |
| 1971 | 3.01 | 3.01 | 2.98 | 3.06 | 3.05 | 3.14 | 3.35 | 3.47 | 3.47 | 3.44 | 3.48 | 3.45 | 3.24 |
| 1972 | 3.42 | 3.61 | 3.64 | 4.07 | 4.46 | 5.80 | 6.15 | 6.52 | 8.94 | 10.84 | 8.47 | 9.00 | 6.22 |
| 1973 | 6.10 | 5.62 | 5.57 | 5.92 | 6.19 | 6.35 | 6.29 | 5.59 | 5.47 | 5.51 | 7.11 | 7.76 | 6.12 |
| 1974 | 7.64 | 8.30 | 7.54 | 7.23 | 6.38 | 5.69 | 5.60 | 5.55 | 5.19 | 5.16 | 5.60 | 6.02 | 6.32 |
| 1975 | 5.57 | 5.01 | 4.71 | 4.58 | 4.64 | 4.75 | 4.72 | 4.75 | 5.23 | 6.23 | 6.66 | 6.31 | 5.26 |
| 1976 | 6.59 | 6.22 | 6.55 | 6.86 | 7.06 | 7.26 | 8.25 | 9.60 | 9.42 | 8.25 | 6.40 | 5.49 | 7.33 |
| 1977 | 5.16 | 5.07 | 5.84 | 5.94 | 5.73 | 5.65 | 6.58 | 6.81 | 7.01 | 6.76 | 6.62 | 6.47 | 6.14 |
| 1978 | 6.42 | 6.72 | 6.68 | 6.81 | 6.89 | 7.28 | 7.45 | 7.27 | 7.21 | 7.70 | 7.64 | 7.28 | 7.11 |
| 1979 | 7.04 | 6.56 | 6.52 | 6.53 | 6.36 | 6.42 | 6.07 | 5.80 | 6.04 | 6.10 | 7.22 | 7.45 | 6.51 |
| 1980 | 8.13 | 8.27 | 8.91 | 7.73 | 7.57 | 7.34 | 7.37 | 7.72 | 7.58 | 7.13 | 7.36 | 6.94 | 7.67 |
| 1981 | 6.44 | 6.30 | 6.28 | 6.23 | 6.30 | 6.24 | 6.16 | 6.42 | 6.56 | 6.31 | 6.20 | 5.73 | 6.26 |
| 1982 | 5.40 | 5.26 | 5.70 | 5.73 | 5.81 | 5.86 | 5.98 | 6.35 | 6.27 | 6.06 | 6.59 | 8.46 | 6.12 |
| 1983 | 8.93 | 8.46 | 8.20 | 7.77 | 7.67 | 7.37 | 7.97 | 7.98 | 8.61 | 7.91 | 6.85 | 6.63 | 7.86 |
| 1984 | 6.10 | 6.09 | 6.09 | 5.88 | 5.85 | 5.77 | 5.91 | 5.96 | 5.77 | 5.69 | 5.47 | 5.12 | 5.98 |
| 1985 | 5.19 | 5.05 | 5.19 | 5.32 | 5.45 | 5.38 | 5.47 | 5.40 | 5.44 | 5.43 | 5.33 | 5.00 | 5.30 |

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[1] Year begins in September. Note: Beginning September 1953, price quotations are for No. 1 and No. 2 yellow soybeans when the degrading factors were test weight and/or splits only. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (March 87), U.S. Department of Agriculture, Economic Research Service.

## PRICES OF U.S. SOYBEANS: RECEIVED BY FARMERS

### Average Price Per Bushel By Month[1] (In Dollars)

| Year[2] | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | AVERAGE[3] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950 | 2.26 | 2.03 | 2.54 | 2.70 | 2.90 | 3.08 | 3.10 | 3.12 | 3.13 | 2.98 | 2.86 | 2.71 | 2.47 |
| 1955 | 2.00 | 2.08 | 2.06 | 2.11 | 2.19 | 2.25 | 2.38 | 2.63 | 2.98 | 2.87 | 2.47 | 2.33 | 2.22 |
| 1960 | 1.97 | 1.94 | 1.96 | 1.99 | 2.23 | 2.48 | 2.68 | 3.02 | 2.96 | 2.60 | 2.48 | 2.49 | 2.13 |
| 1965 | 2.35 | 2.31 | 2.36 | 2.48 | 2.67 | 2.77 | 2.71 | 2.78 | 2.90 | 3.04 | 3.37 | 3.49 | 2.54 |
| 1970 | 2.66 | 2.67 | 2.86 | 2.77 | 2.86 | 2.92 | 2.91 | 2.80 | 2.85 | 2.98 | 3.18 | 3.09 | 2.85 |
| 1971 | 2.95 | 2.96 | 2.84 | 2.93 | 2.92 | 3.00 | 3.20 | 3.37 | 3.35 | 3.32 | 3.34 | 3.36 | 3.03 |
| 1972 | 3.26 | 3.13 | 3.38 | 3.95 | 4.10 | 5.49 | 6.05 | 6.14 | 8.27 | 10.00 | 6.69 | 8.99 | 4.37 |
| 1973 | 5.81 | 5.63 | 5.14 | 5.65 | 5.87 | 6.07 | 5.96 | 5.15 | 5.21 | 5.13 | 6.10 | 7.55 | 5.68 |
| 1974 | 7.32 | 8.17 | 7.44 | 7.03 | 6.30 | 5.72 | 5.31 | 5.60 | 5.00 | 4.90 | 5.28 | 5.80 | 6.64 |
| 1975 | 5.32 | 4.92 | 4.45 | 4.28 | 4.46 | 4.50 | 4.46 | 4.52 | 4.87 | 6.16 | 6.73 | 6.07 | 4.92 |
| 1976 | 6.65 | 5.90 | 6.11 | 6.56 | 6.81 | 7.06 | 7.83 | 9.05 | 9.24 | 8.13 | 6.52 | 5.48 | 6.81 |
| 1977 | 5.17 | 5.28 | 5.61 | 5.68 | 5.75 | 5.53 | 6.20 | 6.49 | 6.77 | 6.69 | 6.40 | 6.21 | 5.88 |
| 1978 | 6.20 | 6.26 | 6.41 | 6.49 | 6.58 | 6.99 | 7.16 | 7.06 | 7.06 | 7.36 | 7.36 | 7.07 | 6.66 |
| 1979 | 6.81 | 6.35 | 6.30 | 6.27 | 6.39 | 6.20 | 5.94 | 5.63 | 5.91 | 5.76 | 6.75 | 7.18 | 6.28 |
| 1980 | 7.59 | 7.68 | 8.18 | 7.80 | 7.80 | 7.50 | 7.59 | 7.60 | 7.42 | 7.10 | 7.16 | 6.71 | 7.57 |
| 1981 | 6.21 | 6.06 | 6.04 | 6.00 | 6.13 | 6.04 | 5.99 | 6.17 | 6.27 | 6.12 | 5.99 | 5.59 | 6.04 |
| 1982 | 5.22 | 5.06 | 5.34 | 5.46 | 5.56 | 5.66 | 5.82 | 6.08 | 6.05 | 5.91 | 6.28 | 7.57 | 5.65 |
| 1983 | 8.28 | 7.96 | 7.80 | 7.74 | 7.85 | 7.29 | 7.69 | 7.82 | 8.24 | 7.99 | 6.95 | 6.50 | 7.75 |
| 1984 | 6.09 | 6.08 | 6.02 | 5.82 | 5.90 | 5.75 | 5.88 | 5.87 | 5.70 | 5.62 | 5.42 | 5 09 | 5.85 |
| 1985 | 4.99 | 4.85 | 4.92 | 5.00 | 5.16 | 5.18 | 5.23 | 5.22 | 5.25 | 5.19 | 5.11 | 5.09 | 5.05 |

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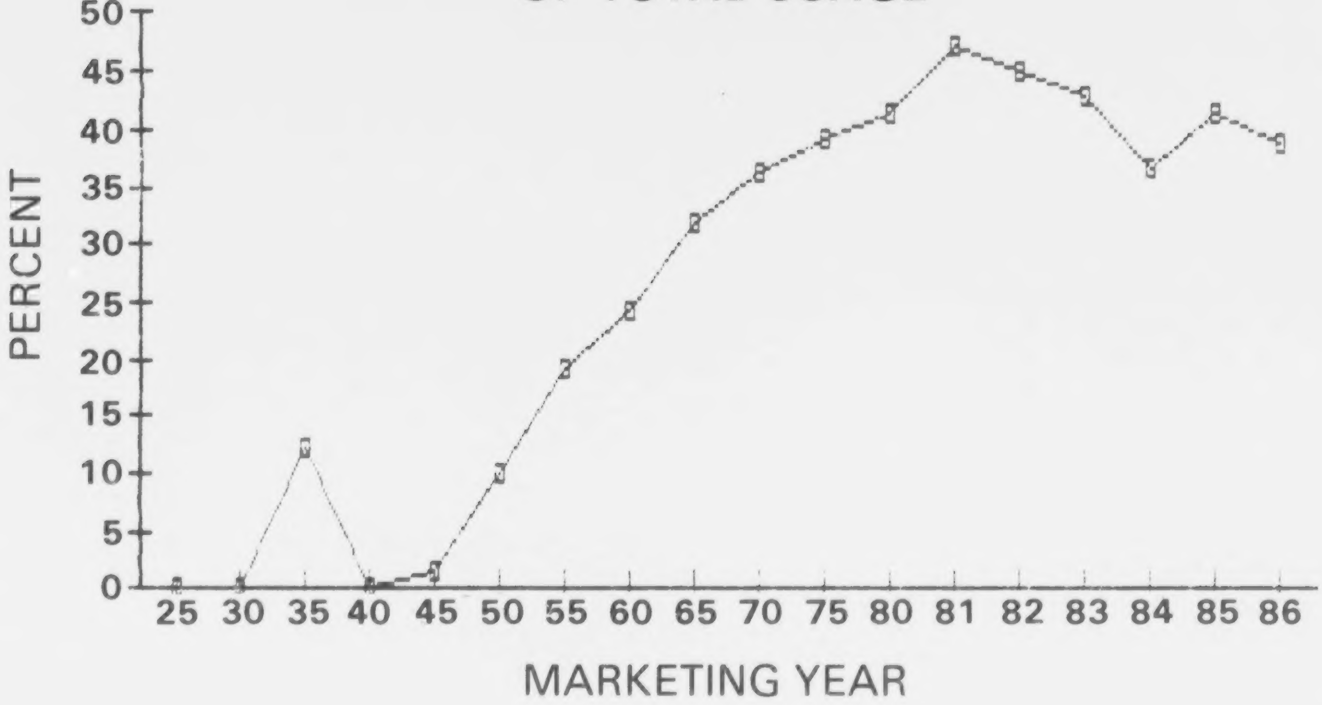
[1] Monthly prices computed by weighting state prices by estimated sales for the month. [2] Year begins in September. [3] Includes allowance for unredeemed loans and purchase agreement deliveries by states. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (March 87), U.S. Department of Agriculture, Economic Research Service.

## U.S. SOYBEAN EXPORTS AS A PERCENT OF TOTAL USAGE



## ARGENTINE SOYBEANS: SUPPLY AND DISPOSITION[1]

(Thousand Metric Tons)

| | Area Harvested (Th. Hectares) | Average Yield (MT per Hectare) | Total Production | Imports | Exports | Crush | Domestic Consumption | Ending Stocks |
|---|---|---|---|---|---|---|---|---|
| 1975-76 | 356 | 1.362 | 485 | 0 | 0 | 529 | 574 | 218 |
| 1976-77 | 434 | 1.601 | 695 | 0 | 111 | 496 | 567 | 235 |
| 1977-78 | 660 | 2.121 | 1,400 | 0 | 623 | 589 | 725 | 287 |
| 1978-79 | 1,250 | 2.160 | 2,700 | 0 | 1,969 | 686 | 871 | 147 |
| 1979-80 | 1,600 | 2.313 | 3,700 | 0 | 2,776 | 639 | 844 | 227 |
| 1980-81 | 2,030 | 1.773 | 3,600 | 0 | 2,726 | 720 | 897 | 204 |
| 1981-82 | 1,740 | 2.011 | 3,500 | 0 | 2,190 | 1,081 | 1,279 | 235 |
| 1982-83 | 1,986 | 2.090 | 4,150 | 0 | 2,151 | 1,907 | 2,127 | 107 |
| 1983-84 | 2,281 | 1.841 | 4,200 | 0 | 1,338 | 2,399 | 2,637 | 332 |
| 1984-85 | 2,910 | 2.405 | 7,000 | 0 | 3,132 | 3,617 | 3,922 | 278 |
| 1985-86 | 3,270 | 2.064 | 6,750 | 0 | 2,954 | 3,445 | 3,780 | 294 |
| 1986-87 | 3,350 | 2.179 | 7,300 | 0 | 2,600 | 4,450 | 4,814 | 180 |
| 1987-88 | 3,650 | 2.110 | 7,700 | 0 | 2,650 | 4,675 | 5,045 | 185 |

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[1] Local marketing years (April-March). Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## ARGENTINE SOYBEAN MEAL AND OIL: SUPPLY AND DISPOSITION[1]

(Thousand Metric Tons)

| | Total Production | Imports | Exports | Domestic Consumption | Ending Stocks |
|---|---|---|---|---|---|
| **SOYBEAN MEAL** | | | | | |
| 1975-76 | 406 | 0 | 158 | 265 | 13 |
| 1976-77 | 384 | 0 | 251 | 131 | 15 |
| 1977-78 | 455 | 0 | 325 | 141 | 4 |
| 1978-79 | 536 | 0 | 370 | 156 | 14 |
| 1979-80 | 499 | 0 | 260 | 244 | 9 |
| 1980-81 | 561 | 0 | 277 | 277 | 16 |
| 1981-82 | 838 | 0 | 591 | 241 | 22 |
| 1982-83 | 1,500 | 0 | 1,209 | 261 | 52 |
| 1983-84 | 1,924 | 0 | 1,765 | 116 | 95 |
| 1984-85 | 2,893 | 0 | 2,663 | 206 | 119 |
| 1985-86 | 2,739 | 0 | 2,600 | 224 | 34 |
| 1986-87 | 3,530 | 0 | 3,150 | 280 | 134 |
| 1987-88 | 3,720 | 0 | 3,450 | 250 | 154 |
| **SOYBEAN OIL** | | | | | |
| 1975-76 | 92 | 0 | 20 | 67 | 8 |
| 1976-77 | 81 | 0 | 67 | 18 | 4 |
| 1977-78 | 96 | 0 | 64 | 33 | 3 |
| 1978-79 | 112 | 0 | 59 | 52 | 4 |
| 1979-80 | 106 | 0 | 102 | 4 | 4 |
| 1980-81 | 121 | 0 | 88 | 25 | 12 |
| 1981-82 | 183 | 0 | 84 | 103 | 8 |
| 1982-83 | 312 | 0 | 220 | 82 | 18 |
| 1983-84 | 393 | 0 | 298 | 76 | 37 |
| 1984-85 | 593 | 0 | 504 | 78 | 48 |
| 1985-86 | 579 | 0 | 540 | 47 | 40 |
| 1986-87 | 745 | 0 | 620 | 95 | 70 |
| 1987-88 | 780 | 0 | 645 | 100 | 105 |

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[1] Local marketing years (April-March). Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

# BRAZILIAN SOYBEANS: SUPPLY AND DISPOSITION[1]

(Thousand Metric Tons)

| | Area Harvested (Th. Hectares) | Average Yield (MT per Hectare) | Total Production | Imports | Exports | Crush | Domestic Consumption | Ending Stocks |
|---|---|---|---|---|---|---|---|---|
| 1975-76 | 5,824 | 1.698 | 9,892 | 0 | 3,516 | 5,516 | 6,171 | 564 |
| 1976-77 | 6,417 | 1.750 | 11,227 | 0 | 3,328 | 6,374 | 7,122 | 1,360 |
| 1977-78 | 7,070 | 1.770 | 12,513 | 0 | 2,581 | 8,661 | 9,486 | 1,806 |
| 1978-79 | 7,782 | 1.226 | 9,541 | 89 | 659 | 8,882 | 9,720 | 1,057 |
| 1979-80 | 8,256 | 1.240 | 10,240 | 253 | 638 | 9,094 | 9,989 | 923 |
| 1980-81 | 8,774 | 1.727 | 15,156 | 474 | 1,533 | 13,009 | 13,929 | 1,091 |
| 1981-82 | 8,501 | 1.778 | 15,200 | 934 | 1,502 | 13,796 | 14,686 | 1,037 |
| 1982-83 | 8,202 | 1.565 | 12,835 | 1,252 | 797 | 12,728 | 13,623 | 704 |
| 1983-84 | 8,136 | 1.813 | 14,750 | 34 | 1,316 | 12,873 | 13,942 | 230 |
| 1984-85 | 9,421 | 1.650 | 15,541 | 154 | 1,580 | 12,517 | 13,664 | 681 |
| 1985-86 | 10,153 | 1.800 | 18,278 | 428 | 3,456 | 13,774 | 14,930 | 1,001 |
| 1986-87 | 9,275 | 1.477 | 13,700 | 350 | 1,200 | 12,200 | 13,252 | 599 |
| 1987-88 | 9,300 | 1.774 | 16,500 | 50 | 2,000 | 13,500 | 14,596 | 553 |

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[1] Local marketing years (Feb.-Jan.). Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## BRAZILIAN SOYBEAN MEAL AND OIL: SUPPLY AND DISPOSITION[1]

(Thousand Metric Tons)

| | Total Production | Imports | Exports | Domestic Consumption | Ending Stocks |
|---|---|---|---|---|---|
| **SOYBEAN MEAL** | | | | | |
| 1975-76 | 4,279 | 0 | 3,450 | 810 | 86 |
| 1976-77 | 4,945 | 0 | 4,078 | 847 | 106 |
| 1977-78 | 6,616 | 0 | 5,329 | 1,255 | 138 |
| 1978-79 | 6,842 | 0 | 5,368 | 1,461 | 151 |
| 1979-80 | 7,040 | 0 | 5,038 | 1,971 | 182 |
| 1980-81 | 9,968 | 0 | 6,936 | 2,595 | 619 |
| 1981-82 | 10,607 | 0 | 8,562 | 2,271 | 393 |
| 1982-83 | 9,879 | 0 | 7,822 | 1,956 | 494 |
| 1983-84 | 9,960 | 0 | 7,944 | 2,169 | 291 |
| 1984-85 | 9,714 | 0 | 7,690 | 1,952 | 363 |
| 1985-86 | 10,668 | 0 | 8,626 | 2,100 | 305 |
| 1986-87 | 9,450 | 0 | 6,900 | 2,600 | 255 |
| 1987-88 | 10,500 | 0 | 7,500 | 2,900 | 355 |
| **SOYBEAN OIL** | | | | | |
| 1975-76 | 1,022 | 0 | 320 | 702 | 150 |
| 1976-77 | 1,180 | 0 | 430 | 800 | 100 |
| 1977-78 | 1,585 | 0 | 560 | 1,025 | 100 |
| 1978-79 | 1,629 | 0 | 522 | 1,110 | 97 |
| 1979-80 | 1,669 | 123 | 459 | 1,309 | 121 |
| 1980-81 | 2,463 | 3 | 809 | 1,516 | 262 |
| 1981-82 | 2,585 | 0 | 1,212 | 1,490 | 145 |
| 1982-83 | 2,392 | 22 | 873 | 1,505 | 181 |
| 1983-84 | 2,408 | 43 | 947 | 1,575 | 110 |
| 1984-85 | 2,353 | 144 | 920 | 1,580 | 107 |
| 1985-86 | 2,587 | 107 | 935 | 1,590 | 276 |
| 1986-87 | 2,290 | 160 | 420 | 1,950 | 356 |
| 1987-88 | 2,525 | 50 | 550 | 2,000 | 381 |

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[1] Local marketing years (Feb.-Jan.). Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## U.S. SOYBEAN PRICE SUPPORT OPERATIONS

| Year Beginning October | Production (1,000 Bu.) | Owned by CCC on Oct. 1 (1,000 Bu.) | Under Price Support | | | | Deliveries to CCC (1,000 Bu.) | Support Rate Per Bu. ($) | Season Avg. Price Rec'd by Farmers[1] ($) | Price Rec'd by Farmers as % of Parity[2] (%) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Loans (1,000 Bu.) | Purchase Agreements (1,000 Bu.) | Total (1,000 Bu.) | % of Crop (%) | | | | |
| 1945 | 193,167 | — | 32 | — | 32 | 0.02 | — | 2.04 | 2.08 | 123 |
| 1950 | 299,249 | 7 | 14,716 | 238 | 14,954 | 5.00 | 29.0 | 2.06 | 2.47 | 102 |
| 1955 | 373,682 | 6,570 | 27,490 | 2,643 | 30,133 | 8.10 | 2.0 | 2.04 | 2.22 | 82 |
| 1960 | 555,085 | 9,700 | 25,400 | 200 | 25,600 | 4.60 | 0.0 | 1.85 | 2.13 | 84 |
| 1965 | 845,608 | 9 | 86,517 | — | 86,517 | 10.20 | 29.0 | 2.25 | 2.54 | 84 |
| 1966 | 928,481 | 1 | 153,142 | — | 153,154 | 16.50 | 25,955.0 | 2.50 | 2.75 | 85 |
| 1967 | 976,439 | 7,363[3] | 200,638 | — | 200,638 | 20.50 | 83,488.0 | 2.50 | 2.49 | 75 |
| 1968 | 1,106,958 | 41,555[4] | 336,862 | — | 336,862 | 30.50 | 166,327.0 | 2.50 | 2.43 | 71 |
| 1969 | 1,133,120 | 180,867[5] | 179,496 | — | 179,496 | 15.90 | 230.0 | 2.25 | 2.35 | 65 |
| 1970 | 1,127,100 | 115,311[6] | 146,416 | — | 146,416 | 13.00 | 37.0 | 2.25 | 2.85 | 75 |
| 1971 | 1,176,101 | 1,401 | 168,204 | — | 168,204 | 14.30 | 45.0 | 2.25 | 3.03 | 72 |
| 1972 | 1,270,608 | — | 90,555 | — | 90,555 | 7.10 | 6.0 | 2.25 | 4.37 | 88 |
| 1973 | 1,547,543 | — | 124,177 | — | 124,177 | 8.00 | 4.0 | 2.25 | 5.68 | 92 |
| 1974 | 1,216,287 | — | 34,554 | — | 34,554 | 2.80 | — | 2.25 | 6.64 | 95 |
| 1975 | 1,548,344 | — | — | — | — | — | — | None | 4.92 | 68 |
| 1976 | 1,288,608 | — | 22,471 | — | 22,471 | 1.70 | — | 2.50 | 6.81 | 90 |
| 1977 | 1,767,267 | — | 97,262 | — | 97,262 | 5.50 | — | 3.50 | 5.88 | 77 |
| 1978 | 1,868,754 | — | 64,208 | — | 64,208 | 3.40 | 17.0 | 4.50 | 6.66 | 75 |
| 1979 | 2,260,665 | 1 | 122,349 | — | 122,349 | 5.40 | 122.0 | 4.50 | 6.29 | 62 |
| 1980 | 1,797,543 | 19 | 133,192 | — | 133,192 | 7.40 | 3.4 | 5.02 | 7.60 | 65 |
| 1981 | 1,989,110 | — | 221,154 | — | 221,154 | 11.10 | 23.4 | 5.02 | 6.07 | 49 |
| 1982 | 2,190,297 | 2,704 | 396,564 | — | 396,564 | 18.10 | 245.0 | 5.02 | 5.71 | 44 |
| 1983 | 1,635,772 | 20,770 | 101,208 | — | 101,208 | 6.20 | 410.0 | 5.02 | 7.83 | 60 |
| 1984 | 1,860,863 | 3,018 | 278,296 | — | 278,296 | 15.00 | 150,504.0 | 5.02 | 5.84 | 45 |
| 1985 | 2,098,531 | 30,687 | 516,695 | — | 516,695 | 24.60 | 251,751.0 | 5.02 | 5.05 | 40 |
| 1986 | 2,007,003 | 171,044 | — | — | — | — | — | 4.77 | — | — |

[1] State average weighted by sales to obtain national average. Prices for years in which there was a substantial volume of deliveries to CCC from loans and purchase agreements include an allowance for such deliveries valued at average loan rates. [2] Generally mid-September parity prices. [3] Excludes 20 million bushels resealed in farm storage. [4] Excludes 52 million bushels resealed. [5] Excludes 103 million bushels resealed. [6] Excludes 42 million bushels resealed. Source: U.S. Department of Agriculture, Agricultural Stabilization & Conservation Service, Analysis Division.

## U.S. SOYBEAN CROP VALUE
### U.S. and Major Producing States
### 1925-1986 (In $1,000)

| Year | U.S. | Illinois | Iowa | Indiana | Ohio | Missouri | Minnesota | Arkansas |
|---|---|---|---|---|---|---|---|---|
| 1925 | $11,430 | $3,077 | $260 | $872 | $571 | $905 | — | $69 |
| 1930 | 19,058 | 8,225 | 1,350 | 2,495 | 651 | 1,584 | — | 184 |
| 1935 | 35,565 | 18,983 | 4,510 | 4,879 | 1,771 | 1,140 | 76 | 604 |
| 1940 | 70,224 | 29,675 | 12,478 | 8,929 | 8,168 | 1,601 | 779 | 832 |
| 1945 | 402,234 | 156,416 | 73,143 | 58,889 | 39,935 | 19,843 | 13,860 | 6,822 |
| 1950 | 737,760 | 238,383 | 112,094 | 89,208 | 62,539 | 64,790 | 42,785 | 28,357 |
| 1955 | 830,909 | 227,956 | 101,293 | 99,951 | 66,640 | 71,155 | 98,412 | 44,469 |
| 1956 | 980,299 | 295,466 | 108,500 | 112,584 | 68,693 | 78,303 | 111,910 | 58,942 |
| 1957 | 1,002,641 | 266,904 | 156,474 | 111,320 | 67,813 | 76,503 | 109,608 | 63,528 |
| 1958 | 1,160,112 | 292,207 | 160,505 | 120,731 | 75,051 | 109,755 | 106,791 | 93,530 |
| 1959 | 1,046,468 | 250,639 | 119,906 | 117,992 | 71,659 | 97,383 | 80,709 | 106,928 |
| 1960 | 1,184,910 | 288,335 | 141,164 | 140,843 | 80,063 | 102,304 | 87,623 | 109,231 |
| 1961 | 1,543,909 | 366,556 | 221,256 | 168,903 | 108,486 | 142,381 | 121,147 | 114,812 |
| 1962 | 1,564,352 | 378,153 | 218,177 | 176,670 | 102,287 | 141,996 | 100,433 | 143,283 |
| 1963 | 1,755,076 | 414,444 | 266,053 | 183,192 | 103,741 | 159,000 | 141,513 | 145,145 |
| 1964 | 1,836,441 | 385,615 | 311,584 | 176,835 | 109,225 | 144,986 | 148,304 | 175,854 |
| 1965 | 2,151,305 | 467,141 | 329,121 | 199,362 | 129,702 | 192,762 | 155,213 | 195,392 |
| 1966 | 2,553,407 | 447,536 | 397,931 | 202,664 | 165,578 | 229,886 | 215,858 | 233,186 |
| 1967 | 2,432,564 | 471,286 | 360,662 | 176,082 | 126,499 | 186,006 | 174,360 | 228,450 |
| 1968 | 2,679,210 | 520,512 | 434,203 | 249,293 | 166,603 | 246,154 | 172,072 | 215,507 |
| 1969 | 2,647,499 | 536,583 | 424,446 | 246,422 | 160,423 | 190,008 | 178,143 | 228,027 |
| 1970 | 3,204,650 | 611,320 | 520,572 | 289,611 | 195,389 | 250,937 | 229,126 | 279,484 |
| 1971 | 3,559,708 | 729,086 | 548,763 | 330,980 | 247,438 | 292,978 | 196,935 | 277,350 |
| 1972 | 5,550,459 | 1,159,697 | 1,023,840 | 462,383 | 344,585 | 466,092 | 413,574 | 334,530 |
| 1973 | 8,724,231 | 1,642,709 | 1,477,300 | 763,513 | 507,088 | 710,640 | 693,840 | 338,800 |
| 1974 | 8,069,585 | 1,314,614 | 1,266,149 | 685,613 | 536,718 | 611,654 | 525,840 | 568,632 |
| 1975 | 7,617,984 | 1,530,547 | 1,206,228 | 605,593 | 511,500 | 549,921 | 494,721 | 551,075 |
| 1976 | 8,768,979 | 1,758,834 | 1,409,648 | 747,184 | 664,330 | 558,600 | 479,697 | 533,520 |
| 1977 | 10,351,545 | 2,021,163 | 1,487,933 | 806,637 | 698,342 | 854,112 | 789,627 | 650,670 |
| 1978 | 12,458,598 | 2,078,089 | 1,930,082 | 963,323 | 852,994 | 1,056,284 | 952,963 | 773,808 |
| 1979 | 14,250,214 | 2,448,857 | 1,890,334 | 1,005,638 | 916,837 | 1,142,272 | 975,360 | 928,648 |
| 1980 | 13,559,595 | 2,361,248 | 2,352,939 | 1,195,214 | 1,036,858 | 1,028,331 | 1,084,066 | 516,128 |
| 1981 | 12,071,341 | 2,161,725 | 1,916,880 | 922,944 | 616,455 | 934,856 | 803,184 | 610,830 |
| 1982 | 12,462,779 | 2,086,238 | 1,784,412 | 954,608 | 756,576 | 959,310 | 982,181 | 602,976 |
| 1983 | 12,774,974 | 2,119,782 | 2,159,150 | 974,702 | 830,234 | 807,520 | 1,159,752 | 553,261 |
| 1984 | 10,748,050 | 1,662,161 | 1,468,530 | 880,940 | 803,613 | 627,997 | 938,956 | 604,344 |
| 1985 | 10,571,324 | 1,973,700 | 1,542,306 | 932,854 | 819,086 | 894,958 | 793,600 | 507,899 |
| 1986* | 9,326,189 | 1,738,500 | 1,634,063 | 750,975 | 714,733 | 798,975 | 775,320 | 346,500 |

*Preliminary. Source: U.S. Department of Agriculture, National Agricultural Statistics Service.

## U.S. SOYBEAN MEAL: PRICES PAID BY FARMERS

### Soybean Meal, 44% Protein: Dollars per 100 Pounds, 1950-1986

| Year | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | AVG. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950 | $4.20 | $4.02 | $4.11 | $4.19 | $4.58 | $4.73 | $5.16 | $5.01 | $4.44 | $4.15 | $4.24 | $4.34 | $4.43 |
| 1955 | 4.77 | 4.73 | 4.62 | 4.50 | 4.36 | 4.16 | 4.16 | 4.14 | 4.17 | 4.33 | 4.08 | 3.97 | 4.33 |
| 1960 | 4.24 | 4.19 | 4.14 | 4.16 | 4.09 | 4.05 | 4.03 | 3.98 | 4.01 | 3.96 | 3.85 | 3.80 | 4.04 |
| 1965 | 4.76 | 4.81 | 4.80 | 4.82 | 4.82 | 4.90 | 5.03 | 5.04 | 5.01 | 5.01 | 5.10 | 5.01 | 4.93 |
| 1970 | 5.73 | 5.87 | 5.62 | 5.46 | 5.45 | 5.42 | 5.56 | 5.67 | 5.72 | 5.69 | 5.62 | 5.67 | 5.62 |
| 1971 | 5.74 | 5.69 | 5.67 | 5.62 | 5.63 | 5.71 | 5.76 | 5.79 | 5.69 | 5.64 | 5.61 | 5.65 | 5.68 |
| 1972 | 5.74 | 5.79 | 5.94 | 6.14 | 6.27 | 6.32 | 6.53 | 6.65 | 6.80 | 6.91 | 7.39 | 8.95 | 6.62 |
| 1973 | 10.40 | 11.50 | 12.60 | 12.10 | 15.40 | 19.60 | 17.00 | 18.60 | 14.90 | 13.30 | 11.20 | 11.90 | 14.00 |
| 1974 | 11.90 | 11.40 | 10.60 | 9.80 | 8.75 | 8.33 | 8.29 | 11.40 | 10.30 | 11.30 | 10.70 | 10.30 | 10.30 |
| 1975 | 9.86 | 9.10 | 8.37 | 8.64 | 8.54 | 8.48 | 8.57 | 8.88 | 9.24 | 9.23 | 8.75 | 8.74 | 8.87 |
| 1976 | 8.81 | 8.84 | 8.86 | 8.84 | 9.34 | 11.50 | 12.50 | 11.70 | 12.20 | 11.60 | 11.50 | 12.20 | 10.70 |
| 1977 | 12.60 | 13.00 | 13.70 | 15.10 | 16.00 | 15.40 | 13.20 | 11.80 | 11.20 | 10.70 | 11.00 | 11.30 | 12.90 |
| 1978 | 11.30 | 10.90 | 11.30 | 11.90 | 11.80 | 11.90 | 11.90 | 11.50 | 11.50 | 11.80 | 12.30 | 12.40 | 11.70 |
| 1979 | 12.50 | 12.60 | 12.80 | 12.80 | 12.80 | 13.10 | 14.00 | 13.50 | 13.20 | 13.20 | 12.80 | 13.00 | 13.03 |
| 1980 | 12.80 | 12.80 | 12.60 | 12.20 | 12.30 | 12.40 | 12.70 | 13.70 | 14.60 | 15.30 | 16.50 | 16.30 | 13.68 |
| 1981 | 15.90 | 15.50 | 15.00 | 15.20 | 15.40 | 15.20 | 15.00 | 14.90 | 14.40 | 14.00 | 13.70 | 13.80 | 14.83 |
| 1982 | 13.70 | 13.90 | 13.70 | 13.80 | 13.90 | 13.90 | 13.70 | 13.50 | 13.20 | 12.90 | 12.90 | 13.00 | 13.50 |
| 1983 | 13.10 | 13.20 | 13.20 | 13.60 | 13.70 | 13.50 | 13.50 | 14.70 | 15.70 | 15.80 | 15.80 | 15.60 | 14.30 |
| 1984 | 15.60 | 14.80 | 14.50 | 14.50 | 14.20 | 13.60 | 13.00 | 12.60 | 12.30 | 11.80 | 11.60 | 11.30 | 13.31 |
| 1985 | 11.10 | 11.00 | 10.60 | 10.30 | 10.10 | 9.82 | 9.74 | 9.76 | 10.00 | 10.30 | 10.60 | 10.70 | 10.30 |
| 1986★ | 10.90 | 11.10 |  | 11.40 |  |  | 11.50 |  |  | 11.60 |  |  | 11.40 |
| 1987 | 11.30 |  |  | 11.40 |  |  |  |  |  |  |  |  |  |

★Monthly program discontinued; Quarterly program began April 1986. Source: AGRICULTURAL PRICES, U.S. Department of Agriculture, National Agricultural Statistics Service.

## U.S. SOYBEAN MEAL: BEGINNING STOCKS, PRODUCTION, EXPORTS AND DOMESTIC DISAPPEARANCE

**By Month, 1979/80 - 1985/86**
**(Thousand Short Tons)**

| | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1979-80** | | | | | | | | | | | | | |
| [1]Stocks | 267.4 | 234.3 | 195.2 | 240.5 | 184.3 | 191.3 | 251.1 | 226.1 | 299.0 | 302.1 | 267.8 | 262.1 | – |
| Production | 2,285.8 | 2,433.3 | 2,506.1 | 2,555.1 | 2,400.0 | 2,454.4 | 2,203.1 | 2,247.1 | 1,987.8 | 2,058.4 | 2,011.5 | 1,962.5 | 27,105.1 |
| Exports | 513.7 | 552.1 | 757.4 | 806.6 | 930.1 | 881.1 | 661.2 | 750.7 | 558.0 | 577.8 | 384.1 | 559.9 | 7,931.9 |
| Domestic Disappearance | 1,805.2 | 1,920.3 | 1,703.4 | 1,804.7 | 1,462.9 | 1,513.5 | 1,566.9 | 1,423.5 | 1,426.7 | 1,514.9 | 1,633.1 | 1,439.9 | 19,215.0 |
| **1980-81** | | | | | | | | | | | | | |
| [1]Stocks | 225.6 | 242.4 | 381.4 | 249.7 | 242.6 | 248.1 | 271.4 | 211.7 | 287.6 | 241.1 | 188.8 | 233.8 | – |
| Production | 2,325.7 | 2,366.5 | 2,248.5 | 2,207.8 | 1,905.3 | 2,141.1 | 2,045.9 | 1,963.2 | 1,765.3 | 1,734.4 | 1,787.8 | 1,820.6 | 24,312.1 |
| Exports | 452.0 | 463.3 | 751.5 | 660.6 | 760.6 | 942.2 | 800.3 | 526.4 | 387.1 | 320.0 | 416.9 | 297.3 | 6,778.2 |
| Domestic Disappearance | 1,856.9 | 1,764.1 | 1,628.7 | 1,554.3 | 1,139.2 | 1,175.6 | 1,305.3 | 1,360.9 | 1,424.7 | 1,466.7 | 1,325.9 | 1,594.4 | 17,596.8 |
| **1981-82** | | | | | | | | | | | | | |
| [1]Stocks | 162.7 | 309.2 | 314.8 | 279.4 | 315.7 | 324.9 | 190.3 | 172.1 | 309.3 | 224.9 | 209.1 | 189.7 | – |
| Production | 2,501.8 | 2,325.8 | 2,450.6 | 2,265.6 | 2,077.4 | 2,049.9 | 1,930.5 | 2,066.0 | 1,844.3 | 1,684.4 | 1,619.6 | 1,318.5 | 24,634.4 |
| Exports | 584.6 | 631.7 | 666.1 | 673.6 | 928.8 | 713.4 | 679.2 | 643.8 | 457.7 | 346.6 | 346.7 | 235.3 | 6,907.5 |
| Domestic Disappearance | 1,770.7 | 1,688.5 | 1,819.9 | 1,555.7 | 1,139.4 | 1,471.1 | 1,269.5 | 1,285.0 | 1,471.0 | 1,353.6 | 1,292.3 | 1,597.7 | 17,714.4 |
| **1982-83** | | | | | | | | | | | | | |
| [1]Stocks | 175.2 | 342.8 | 349.6 | 332.3 | 400.2 | 422.8 | 341.0 | 356.1 | 341.5 | 272.3 | 365.2 | 378.5 | – |
| Production | 2,385.9 | 2,581.4 | 2,679.1 | 2,628.1 | 2,220.7 | 2,258.7 | 1,949.8 | 1,992.7 | 1,955.8 | 1,993.5 | 2,052.8 | 2,071.1 | 26,713.6 |
| Exports | 448.2 | 723.1 | 660.8 | 1,052.2 | 826.8 | 850.2 | 450.2 | 458.8 | 533.8 | 381.6 | 330.5 | 392.5 | 7,108.7 |
| Domestic Disappearance | 1,770.1 | 1,851.5 | 2,035.6 | 1,508.0 | 1,371.3 | 1,490.3 | 1,484.5 | 1,548.5 | 1,491.2 | 1,459.0 | 1,709.0 | 1,587.0 | 19,306.0 |
| **1983-84** | | | | | | | | | | | | | |
| [1]Stocks | 474.1 | 419.3 | 466.8 | 391.1 | 475.8 | 446.7 | 460.7 | 418.6 | 427.2 | 391.2 | 355.5 | 242.7 | – |
| Production | 2,287.9 | 2,049.1 | 2,122.6 | 2,220.2 | 1,872.2 | 2,029.2 | 1,760.3 | 1,872.2 | 1,665.0 | 1,629.1 | 1,689.6 | 1,559.0 | 22,756.4 |
| Exports | 593.5 | 617.5 | 664.7 | 687.6 | 578.0 | 580.9 | 400.1 | 315.5 | 265.7 | 287.1 | 278.8 | 166.1 | 5,435.5 |
| Domestic Disappearance | 1,749.2 | 1,384.1 | 1,533.6 | 1,447.7 | 1,323.3 | 1,434.3 | 1,402.3 | 1,548.1 | 1,435.3 | 1,377.1 | 1,523.6 | 1,380.2 | 17,538.8 |
| **1984-85** | | | | | | | | | | | | | |
| [1]Stocks | 255.4 | 236.1 | 285.7 | 336.8 | 319.6 | 334.1 | 444.6 | 429.8 | 495.8 | 569.6 | 562.5 | 458.0 | – |
| Production | 2,107.6 | 2,326.0 | 2,381.0 | 2,226.4 | 1,887.2 | 2,023.6 | 1,958.3 | 2,100.9 | 1,952.7 | 1,934.0 | 1,831.6 | 1,800.6 | 24,529.9 |
| Exports | 256.2 | 474.7 | 635.7 | 515.3 | 431.8 | 416.3 | 387.4 | 331.3 | 353.0 | 338.7 | 364.4 | 411.7 | 4,916.5 |
| Domestic Disappearance | 1,870.7 | 1,801.7 | 1,694.2 | 1,728.3 | 1,440.9 | 1,496.8 | 1,585.7 | 1,703.6 | 1,525.9 | 1,602.4 | 1,571.7 | 1,460.0 | 19,481.9 |
| **1985-86** | | | | | | | | | | | | | |
| [1]Stocks | 386.9 | 318.4 | 369.2 | 358.4 | 372.4 | 281.3 | 386.6 | 300.8 | 282.4 | 278.7 | 250.6 | 298.3 | – |
| Production | 2,218.1 | 2,287.7 | 2,379.9 | 2,343.8 | 1,925.2 | 2,159.7 | 2,008.4 | 2,036.7 | 1,879.4 | 1,976.6 | 1,863.4 | 1,878.7 | 24,957.6 |
| Exports | 397.8 | 615.1 | 638.5 | 590.3 | 619.1 | 649.3 | 607.7 | 378.1 | 452.9 | 404.2 | 345.0 | 312.9 | 6,010.9 |
| Domestic Disappearance | 1,888.8 | 1,621.8 | 1,752.2 | 1,739.5 | 1,397.2 | 1,405.1 | 1,486.5 | 1,677.0 | 1,430.2 | 1,600.5 | 1,474.9 | 1,644.6 | 19,121.9 |

[1] Beginning of month. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Nov. 86), U.S. Department of Agriculture, Economic Research Service.

## U.S. FARM MARKETINGS OF SOYBEANS

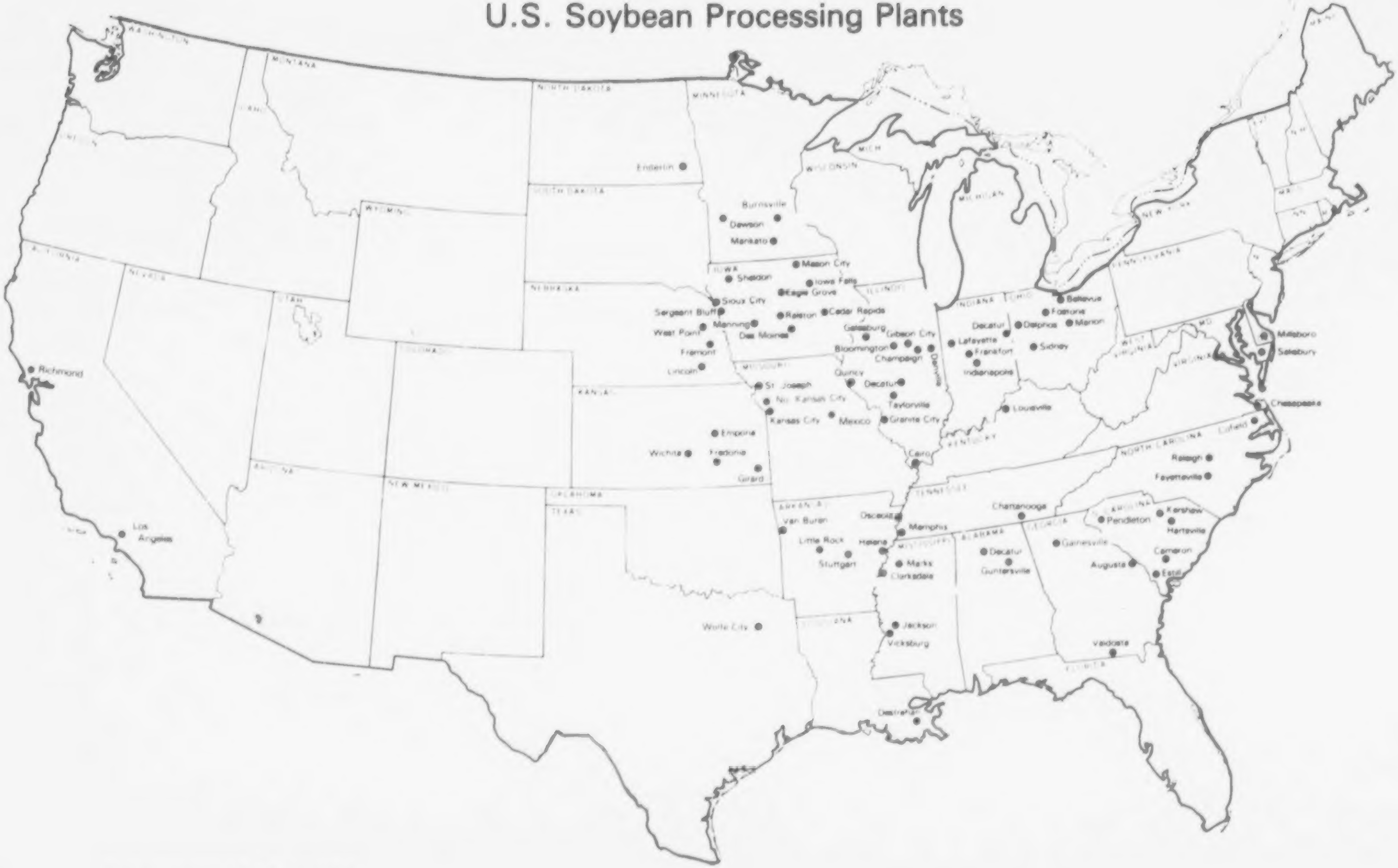
### Percent of Open Market Farm Sales, by Month

### 1976/77 - 1985/86

| | Crop Marketing Season | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Month** | **1976-77** | **1977-78** | **1978-79** | **1979-80** | **1980-81** | **1981-82** | **1982-83** | **1983-84** | **1984-85** | **1985-86** |
| September | 8.3 | 3.5 | 6.9 | 5.0 | 9.9 | 6.0 | 5.7 | 8.1 | 4.2 | 5.8 |
| October | 22.4 | 18.4 | 25.1 | 21.7 | 25.2 | 18.4 | 17.6 | 20.2 | 14.3 | 17.4 |
| November | 15.4 | 11.7 | 10.5 | 11.4 | 11.4 | 15.6 | 14.0 | 12.0 | 19.9 | 13.6 |
| December | 7.7 | 8.1 | 6.2 | 7.3 | 5.4 | 7.2 | 8.5 | 7.4 | 9.0 | 12.0 |
| January | 12.3 | 9.1 | 11.3 | 10.4 | 10.4 | 10.7 | 12.6 | 11.7 | 9.5 | 13.9 |
| February | 9.8 | 8.4 | 10.2 | 7.3 | 4.3 | 6.4 | 6.2 | 5.5 | 5.5 | 5.6 |
| March | 8.7 | 13.1 | 6.7 | 6.6 | 7.8 | 6.6 | 6.7 | 9.7 | 8.9 | 8.1 |
| April | 7.2 | 7.7 | 4.5 | 5.3 | 5.9 | 9.1 | 5.7 | 6.3 | 6.9 | 5.9 |
| May | 3.4 | 7.1 | 4.4 | 6.4 | 5.0 | 6.7 | 4.0 | 11.0 | 4.8 | 4.6 |
| June | 1.9 | 4.4 | 6.9 | 6.4 | 3.6 | 4.0 | 4.3 | 3.2 | 5.9 | 5.0 |
| July | 1.2 | 4.0 | 3.5 | 6.9 | 5.4 | 4.9 | 7.8 | 2.1 | 6.1 | 4.7 |
| August | 1.7 | 4.5 | 3.8 | 5.3 | 5.7 | 4.4 | 6.9 | 2.7 | 5.0 | 3.4 |
| Year | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Source: U.S. Department of Agriculture, National Agricultural Statistics Service.

# U.S. Soybean Processing Plants


WASHINGTON
MONTANA
NORTH DAKOTA
MINNESOTA
IDAHO
OREGON
WISCONSIN
MICH
MICHIGAN
SOUTH DAKOTA
WYOMING
NEW YORK
CALIFORNIA
NEVADA
UTAH
NEBRASKA
IOWA
ILLINOIS
INDIANA
OHIO
PENNSYLVANIA
MD
WEST VIRGINIA
VIRGINIA
COLORADO
KANSAS
MISSOURI
KENTUCKY
NORTH CAROLINA
TENNESSEE
ARIZONA
NEW MEXICO
OKLAHOMA
TEXAS
ARKANSAS
MISSISSIPPI
ALABAMA
GEORGIA
SOUTH CAROLINA
LOUISIANA
FLORIDA
Enderlin
Burnsville
Dawson
Mankato
Mason City
Sheldon
Iowa Falls
Eagle Grove
Sioux City
Sergeant Bluff
Ralston
Cedar Rapids
Manning
West Point
Des Moines
Fremont
Lincoln
Galesburg
Gibson City
Bloomington
Champaign
Danville
Quincy
Decatur
Taylorville
Granite City
St. Joseph
No. Kansas City
Kansas City
Mexico
Emporia
Wichita
Fredonia
Girard
Cairo
Decatur
Lafayette
Frankfort
Indianapolis
Bellevue
Fostoria
Delphos
Marion
Sidney
Louisville
Millsboro
Salisbury
Chesapeake
Cofield
Raleigh
Fayetteville
Richmond
Los Angeles
Van Buren
Osceola
Memphis
Little Rock
Helena
Stuttgart
Marks
Clarksdale
Chattanooga
Decatur
Guntersville
Pendleton
Kershaw
Hartsville
Gainesville
Cameron
Augusta
Estill
Wolfe City
Jackson
Vicksburg
Valdosta
Destrehan

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# VALUE OF U.S. SOYBEAN PRODUCTS (PER BUSHEL) AND CRUSH MARGIN

## 1950-1985

| Year beg. Sept. | Value of Products per Bushel | | | | | | | Soybean Price | | Margin Between Value of Products and Soybean Price | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Soy Oil | | | Soybean Meal | | | Total | | | | |
| | Yield[1] (pounds) | Price[2] (cents) | Value (dollars) | Yield[1] (pounds) | Price[2] (cents) | Value (dollars) | Value in dollars | Rec'd by Farmers[3] (dollars) | No. 1 Y IL pts.[3] (dollars) | Rec'd by Farmers (dollars) | No. 1 Y IL pts. (dollars) |
| 1950 | 9.7 | 17.9 | 1.74 | 46.8 | 3.16 | 1.48 | 3.22 | 2.47 | 2.95 | .75 | .27 |
| 1955 | 11.1 | 12.5 | 1.39 | 46.2 | 2.68 | 1.24 | 2.63 | 2.22 | 2.51 | .41 | .12 |
| 1960 | 11.0 | 11.2 | 1.23 | 47.0 | 3.00 | 1.41 | 2.64 | 2.13 | 2.53 | .51 | .11 |
| 1965 | 10.7 | 11.8 | 1.26 | 47.5 | 4.02 | 1.91 | 3.17 | 2.54 | 2.91 | .63 | .26 |
| 1970 | 10.8 | 12.8 | 1.38 | 47.4 | 3.96 | 1.88 | 3.26 | 2.85 | 3.00 | .41 | .26 |
| 1971 | 11.0 | 11.5 | 1.26 | 47.4 | 4.36 | 2.07 | 3.33 | 3.03 | 3.24 | .30 | .09 |
| 1972 | 10.6 | 15.2 | 1.62 | 47.0 | 11.03 | 5.19 | 6.81 | 4.37 | 6.21 | 2.44 | .60 |
| 1973 | 10.8 | 30.2 | 3.25 | 47.2 | 7.61 | 3.59 | 6.84 | 5.68 | 6.12 | 1.16 | .72 |
| 1974 | 10.5 | 32.1 | 3.37 | 47.5 | 6.56 | 3.12 | 6.49 | 6.64 | 6.32 | .34 | .17 |
| 1975 | 10.9 | 18.5 | 2.02 | 47.3 | 7.20 | 3.40 | 5.42 | 4.92 | 5.26 | .50 | .16 |
| 1976 | 11.1 | 24.1 | 2.67 | 47.8 | 10.14 | 4.85 | 7.52 | 6.81 | 7.33 | .71 | .19 |
| 1977 | 10.9 | 23.8 | 2.59 | 47.3 | 8.09 | 3.83 | 6.42 | 5.88 | 6.14 | .54 | .28 |
| 1978 | 11.1 | 27.0 | 2.99 | 47.6 | 9.40 | 4.48 | 7.47 | 6.66 | 7.11 | .81 | .36 |
| 1979 | 10.8 | 24.6 | 2.64 | 48.0 | 8.91 | 4.28 | 6.91 | 6.28 | 6.51 | .63 | .40 |
| 1980 | 11.1 | 23.3 | 2.58 | 47.9 | 11.10 | 5.32 | 7.90 | 7.57 | 7.67 | .33 | .23 |
| 1981 | 10.7 | 19.1 | 2.04 | 47.9 | 9.25 | 4.43 | 6.47 | 6.04 | 6.26 | .43 | .21 |
| 1982 | 10.8 | 19.0 | 2.22 | 47.9 | 9.40 | 4.48 | 6.70 | 5.65 | 6.12 | 1.05 | .58 |
| 1983 | 11.3 | 30.6 | 3.45 | 47.4 | 9.40 | 4.46 | 7.91 | 7.75 | 7.86 | .16 | .05 |
| 1984[4] | 11.0 | 29.5 | 3.26 | 47.2 | 6.30 | 2.96 | 6.22 | 5.85 | 5.98 | .37 | .24 |
| 1985[5] | 11.0 | 18.7 | 2.06 | 47.3 | 7.60 | 3.59 | 5.65 | 5.05 | 5.30 | .60 | .35 |

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[1] Actual outturn of oil and meal as calculated from Bureau of Census Reports. [2] Simple average of monthly cash prices per pound using the following quotations: soybean oil, crude, tank cars, F.O.B. Decatur, IL.: soybean meal, bulk, 44% protein, Decatur, IL. [3] Season average price received by farmers weighted by the estimated percent of crops sold each month. [4] Preliminary. [5] Economics and Statistics Service estimate. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (March 87), U.S. Department of Agriculture, Economic Research Service.

# U.S. SOYBEAN MEAL: AVERAGE WHOLESALE PRICE

## Soybean Meal, 44% Protein: Dollars per Ton, Bulk Decatur
## By Month, 1950/51 - 1985/86

| Year | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | AVG. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950-51 | $54.05 | $61.45 | $64.70 | $63.90 | $69.25 | $67.00 | $62.00 | $63.40 | $64.40 | $68.80 | $64.60 | $69.75 | $64.45 |
| 1955-56 | 56.00 | 49.00 | 50.25 | 51.00 | 49.40 | 47.40 | 53.00 | 60.05 | 60.75 | 54.80 | 52.10 | 46.90 | 52.55 |
| 1960-61 | 48.95 | 44.50 | 51.25 | 55.20 | 61.50 | 64.45 | 73.10 | 71.00 | 63.85 | 65.00 | 68.90 | 59.60 | 60.60 |
| 1961-62 | 55.80 | 59.30 | 60.20 | 59.90 | 57.60 | 60.60 | 62.50 | 64.10 | 66.70 | 68.50 | 71.10 | 76.70 | 63.60 |
| 1962-63 | 69.00 | 70.60 | 70.50 | 71.90 | 73.10 | 70.80 | 68.30 | 68.10 | 70.40 | 72.00 | 75.20 | 75.20 | 71.30 |
| 1963-64 | 73.50 | 74.90 | 76.90 | 77.50 | 74.80 | 73.40 | 69.90 | 65.50 | 66.50 | 65.80 | 63.90 | 69.50 | 71.00 |
| 1964-65 | 69.20 | 66.10 | 67.80 | 68.00 | 69.80 | 68.50 | 69.30 | 68.40 | 74.60 | 74.40 | 69.60 | 76.80 | 70.20 |
| 1965-66 | 70.80 | 75.70 | 71.40 | 78.80 | 77.30 | 71.50 | 75.50 | 80.30 | 92.70 | 97.20 | 97.90 | 88.40 | 81.50 |
| 1966-67 | 82.20 | 78.90 | 84.60 | 81.70 | 79.50 | 76.60 | 74.50 | 73.70 | 78.10 | 78.20 | 78.70 | 79.20 | 78.80 |
| 1967-68 | 71.80 | 71.90 | 73.40 | 75.10 | 74.50 | 75.00 | 74.60 | 75.00 | 79.50 | 82.80 | 84.40 | 85.10 | 76.90 |
| 1968-69 | 78.20 | 73.50 | 71.60 | 69.80 | 69.90 | 72.60 | 73.30 | 76.10 | 77.50 | 77.30 | 76.90 | 72.70 | 74.10 |
| 1969-70 | 75.40 | 69.90 | 82.90 | 87.50 | 85.25 | 71.80 | 74.60 | 71.20 | 74.70 | 82.90 | 84.00 | 81.20 | 78.40 |
| 1970-71 | 77.25 | 77.90 | 82.00 | 80.25 | 77.50 | 77.00 | 74.25 | 78.25 | 81.50 | 84.25 | 78.75 | 73.25 | 78.50 |
| 1971-72 | 74.75 | 73.80 | 80.60 | 82.60 | 84.80 | 90.90 | 94.50 | 95.30 | 95.00 | 101.40 | 101.00 | 107.75 | 90.20 |
| 1972-73 | 109.00 | 123.20 | 174.00 | 188.40 | 218.75 | 199.90 | 203.25 | 314.60 | 412.50 | 311.20 | 285.00 | 208.10 | 229.00 |
| 1973-74 | 159.60 | 167.00 | 192.00 | 172.00 | 160.00 | 147.10 | 117.20 | 109.25 | 100.00 | 138.10 | 155.90 | 138.10 | 146.40 |
| 1974-75 | 168.20 | 141.00 | 143.40 | 129.20 | 117.25 | 117.75 | 122.00 | 118.50 | 120.90 | 124.00 | 134.40 | 133.70 | 130.90 |
| 1975-76 | 125.90 | 119.90 | 125.10 | 128.25 | 132.60 | 127.90 | 127.10 | 152.25 | 187.90 | 193.90 | 173.30 | 179.20 | 147.80 |
| 1976-77 | 169.60 | 181.20 | 197.60 | 207.00 | 211.00 | 226.20 | 275.60 | 258.25 | 225.30 | 162.00 | 140.30 | 143.60 | 199.80 |
| 1977-78 | 135.00 | 161.70 | 160.10 | 162.20 | 152.90 | 179.40 | 173.00 | 177.40 | 169.75 | 172.00 | 162.90 | 163.90 | 164.20 |
| 1978-79 | 176.80 | 177.10 | 188.75 | 184.90 | 190.90 | 194.00 | 191.10 | 188.00 | 209.60 | 201.60 | 188.90 | 188.60 | 190.00 |
| 1979-80 | 181.40 | 183.10 | 188.00 | 180.20 | 174.25 | 164.60 | 154.20 | 166.50 | 160.90 | 187.90 | 207.40 | 234.50 | 181.91 |
| 1980-81 | 246.40 | 261.40 | 223.70 | 223.50 | 212.50 | 210.40 | 222.00 | 221.00 | 200.90 | 204.10 | 202.25 | 190.00 | 218.18 |
| 1981-82 | 180.75 | 178.40 | 187.50 | 191.00 | 191.00 | 183.60 | 190.25 | 192.40 | 183.60 | 181.90 | 169.00 | 160.80 | 182.52 |
| 1982-83 | 157.00 | 173.40 | 178.50 | 179.25 | 177.10 | 177.30 | 186.75 | 185.75 | 175.50 | 189.30 | 232.60 | 233.60 | 187.19 |
| 1983-84 | 228.60 | 224.70 | 216.60 | 201.90 | 184.40 | 196.40 | 190.00 | 187.40 | 174.40 | 156.60 | 151.60 | 144.90 | 188.20 |
| 1984-85 | 141.60 | 135.20 | 136.75 | 135.20 | 125.25 | 125.90 | 117.30 | 111.50 | 110.25 | 114.00 | 121.40 | 130.60 | 125.40 |
| 1985-86 | 138.30 | 142.50 | 145.00 | 153.25 | 152.25 | 163.70 | 157.00 | 157.90 | 158.90 | 161.00 | 163.50 | 165.20 | 154.90 |
| 1986-87 | 151.90 | 154.00 | 149.60 | 146.80 | 154.40 | 146.60 | | | | | | | |

Source: U.S. Department of Agriculture, Agriculture Marketing Service.

## U.S. OILSEED CAKE AND MEALS: SUPPLY, DISPOSITION AND PRICE

### 1978-1986

| | Supply | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Year Beginning October | Stocks Oct. 1[1] | Production | Imports | Total | Domestic Disappearance 1,000 tons | Exports | Shipments | Total | Price per Ton[2] Dollars |
| **1978** | | | | | | | | | |
| Soybean | 243 | 24,354 | — | 24,597 | 17,673 | 6,610 | 47 | 24,330 | 190.10 |
| Cottonseed | 69 | 1,885 | 9 | 1,963 | 1,747 | 150 | 15 | 1,912 | 164.80 |
| Linseed | 3 | 244 | 2 | 249 | 125 | 118 | — | 243 | 152.20 |
| Peanut | 2 | 104 | — | 106 | 105 | — | — | 105 | 198.50 |
| Total | 317 | 26,587 | 11 | 26,915 | 19,650 | 6,878 | 62 | 26,590 | — |
| **1979** | | | | | | | | | |
| Soybean | 267 | 27,105 | — | 27,372 | 19,153 | 7,932 | 61 | 27,146 | 181.90 |
| Cottonseed | 51 | 2,049 | 7 | 2,107 | 1,863 | 175 | 16 | 2,054 | 164.10 |
| Linseed | 6 | 207 | 2 | 215 | 134 | 76 | — | 210 | 154.40 |
| Peanut | 1 | 125 | — | 126 | 125 | — | — | 125 | 186.10 |
| Total | 325 | 29,486 | 9 | 29,820 | 21,275 | 8,183 | 77 | 29,535 | — |
| **1980** | | | | | | | | | |
| Soybean | 226 | 24,312 | — | 24,538 | 17,534 | 6,774 | 57 | 24,375 | 218.20 |
| Cottonseed | 53 | 1,790 | —[3] | 1,843 | 1,625 | 99 | 11 | 1,735 | 197.05 |
| Linseed | 5 | 260 | 1 | 266 | 120 | 142 | — | 262 | 160.55 |
| Peanut | 1 | 84 | — | 85 | 84 | — | — | 84 | 236.05 |
| Total | 285 | 26,446 | 1 | 26,732 | 19,363 | 7,015 | 68 | 26,456 | — |
| **1981** | | | | | | | | | |
| Soybean | 163 | 24,634 | — | 24,797 | 17,673 | 6,908 | 41 | 24,622 | 182.50 |
| Cottonseed | 108 | 2,190 | — | 2,298 | 2,019 | 107 | 18 | 2,144 | 156.15 |
| Linseed | 4 | 185 | 2 | 191 | 83 | 103 | — | 186 | 151.75 |
| Peanut | 1 | 124 | — | 125 | 124 | — | — | 124 | 182.10 |
| Total | 276 | 27,133 | 2 | 27,411 | 19,898 | 7,118 | 59 | 27,076 | — |
| **1982** | | | | | | | | | |
| Scybean | 175 | 26,714 | — | 26,889 | 19,306 | 7,109 | — | 26,415 | 187.20 |
| Cottonseed | 154 | 1,588 | — | 1,742 | 1,648 | 1 | — | 1,649 | 176.55 |
| Linseed | 5 | 180 | 2 | 187 | 87 | 94 | — | 182 | 145.05 |
| Peanut | 1 | 70 | — | 71 | 102 | — | — | 69 | 198.30 |
| Total | 335 | 28,552 | 2 | 28,889 | 21,111 | 7,204 | — | 28,315 | — |
| **1983** | | | | | | | | | |
| Soybean | 474 | 22,756 | — | 23,230 | 17,615 | 5,360 | — | 22,975 | 188.20 |
| Cottonseed | 93 | 1,134 | — | 1,227 | 1,126 | 1 | — | 1,127 | 190.20 |
| Linseed | 5 | 236 | 1 | 242 | 122 | 113 | — | 235 | 140.20 |
| Peanut | 2 | 71 | — | 73 | 70 | — | — | 70 | 209.00 |
| Total | 574 | 24,197 | 1 | 24,772 | 18,933 | 5,474 | — | 24,407 | — |
| **1984** | | | | | | | | | |
| Soybean | 255 | 24,529 | — | 24,784 | 19,480 | 4,917 | — | 24,397 | 125.40 |
| Cottonseed | 100 | 1,732 | — | 1,832 | 1,758 | 6 | — | 1,764 | 99.40 |
| Linseed | 7 | 183 | 2 | 192 | 112 | 77 | — | 189 | 87.90 |
| Peanut | 3 | 95 | — | 98 | 85 | — | — | 85 | 130.00 |
| Sunflower | 6 | 355 | — | 361 | 339 | 16 | — | 355 | 52.35 |
| Total | 371 | 26,894 | 2 | 27,267 | 21,774 | 5,016 | — | 26,790 | — |
| **1985** | | | | | | | | | |
| Soybean | 387 | 24,951 | — | 25,338 | 19,118 | 6,008 | — | 25,126 | 154.90 |
| Cottonseed | 68 | 1,626 | — | 1,594 | 1,520 | 5 | — | 1,525 | 134.30 |
| Linseed | 3 | 166 | 3 | 172 | 103 | 65 | — | 168 | 113.95 |
| Peanut | 13 | 137 | — | 150 | 146 | — | — | 146 | 160.00 |
| Sunflower | 6 | 402 | — | 408 | 353 | 49 | — | 402 | 68.80 |
| Total | 477 | 27,282 | 3 | 27,662 | 21,240 | 6,127 | — | 27,367 | — |
| **1986[4]** | | | | | | | | | |
| Soybean | 212 | 26,203 | — | 26,415 | 19,750 | 6,350 | — | 26,100 | 147.50 |
| Cottonseed | 69 | 1,146 | — | 1,215 | 1,135 | 5 | — | 1,140 | 147.50 |
| Linseed | 4 | 212 | 2 | 218 | 153 | 60 | — | 213 | 107.50 |
| Peanut | 4 | 90 | — | 94 | 88 | — | — | 88 | 153.00 |
| Sunflower | 6 | 335 | — | 341 | 302 | 33 | — | 335 | 66.20 |
| Total | 295 | 27,986 | 2 | 28,283 | 21,428 | 6,448 | — | 27,876 | — |

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[1] Stocks at processing mills. [2] Soybean meal, 44% protein, bulk Decatur. Cottonseed meal, 41% protein, bulk Memphis. Peanut meal, 50% protein, southeast milling points. [3] Less than 500 tons. [4] Forecast. Source: U.S. Department of Agriculture, Agriculture Stabilization & Conservation Service, Analysis Division.

## WORLD MAJOR PROTEIN MEALS: SUPPLY AND UTILIZATION

(Million Metric Tons)

| | 1982-83 | 1983-84 | 1984-85 | 1985-86 | 1986-87[1] |
|---|---|---|---|---|---|
| **PRODUCTION** | | | | | |
| Soybean | 60.52 | 55.21 | 58.10 | 60.08 | 62.27 |
| Cottonseed | 9.84 | 9.72 | 12.75 | 11.23 | 9.94 |
| Rapeseed | 8.45 | 8.14 | 9.43 | 10.18 | 10.59 |
| Sunflowerseed | 6.71 | 6.38 | 7.33 | 7.56 | 7.70 |
| Fish | 4.93 | 5.63 | 5.93 | 5.97 | 5.99 |
| Peanut | 3.91 | 4.15 | 4.35 | 4.51 | 4.44 |
| Copra | 1.48 | 1.28 | 1.45 | 1.90 | 1.69 |
| Linseed | 1.26 | 1.38 | 1.34 | 1.22 | 1.27 |
| Palm Kernel | 0.94 | 0.93 | 1.13 | 1.33 | 1.29 |
| TOTAL | 98.04 | 92.83 | 101.82 | 103.98 | 105.18 |
| **EXPORTS** | | | | | |
| Soybean | 23.29 | 21.39 | 22.29 | 22.71 | 23.21 |
| Cottonseed | 0.79 | 0.66 | 0.75 | 0.84 | 0.83 |
| Rapeseed | 0.77 | 1.19 | 1.46 | 1.53 | 1.64 |
| Sunflowerseed | 1.32 | 1.25 | 1.68 | 1.93 | 1.69 |
| Fish | 2.29 | 2.59 | 3.11 | 3.15 | 3.28 |
| Peanut | 0.67 | 0.57 | 0.47 | 0.48 | 0.54 |
| Copra | 1.01 | 0.60 | 0.95 | 1.38 | 1.06 |
| Linseed | 0.68 | 0.69 | 0.63 | 0.57 | 0.60 |
| Palm Kernel | 0.71 | 0.68 | 0.91 | 1.11 | 1.06 |
| TOTAL | 31.55 | 29.63 | 32.24 | 33.70 | 33.91 |
| **IMPORTS** | | | | | |
| Soybean | 23.15 | 22.38 | 22.78 | 23.44 | 23.35 |
| Cottonseed | 0.80 | 0.69 | 0.72 | 0.82 | 0.83 |
| Rapeseed | 0.87 | 1.31 | 1.45 | 1.63 | 1.63 |
| Sunflowerseed | 1.46 | 1.30 | 1.67 | 1.80 | 1.71 |
| Fish | 2.28 | 2.40 | 3.03 | 3.04 | 3.06 |
| Peanut | 0.65 | 0.65 | 0.45 | 0.55 | 0.54 |
| Copra | 0.97 | 0.69 | 0.94 | 1.28 | 1.06 |
| Linseed | 0.65 | 0.69 | 0.63 | 0.62 | 0.64 |
| Palm Kernel | 0.73 | 0.70 | 1.01 | 0.98 | 1.04 |
| TOTAL | 31.57 | 30.80 | 32.70 | 34.18 | 33.87 |
| **CONSUMPTION** | | | | | |
| Soybean | 59.78 | 55.64 | 58.98 | 61.08 | 62.43 |
| Cottonseed | 9.99 | 9.67 | 12.55 | 11.21 | 10.00 |
| Rapeseed | 8.49 | 8.23 | 9.46 | 10.23 | 10.61 |
| Sunflowerseed | 6.87 | 6.42 | 7.26 | 7.44 | 7.72 |
| Fish | 5.07 | 5.22 | 5.84 | 5.86 | 5.93 |
| Peanut | 3.91 | 4.24 | 4.31 | 4.60 | 4.44 |
| Copra | 1.47 | 1.20 | 1.53 | 1.89 | 1.67 |
| Linseed | 1.21 | 1.38 | 1.35 | 1.27 | 1.32 |
| Palm Kernel | 0.97 | 0.92 | 1.20 | 1.21 | 1.27 |
| TOTAL | 97.78 | 92.92 | 102.49 | 104.80 | 105.40 |
| **ENDING STOCKS** | | | | | |
| Soybean | 2.53 | 3.10 | 2.71 | 2.44 | 2.42 |
| Cottonseed | 0.15 | 0.22 | 0.40 | 0.40 | 0.34 |
| Rapeseed | 0.24 | 0.27 | 0.23 | 0.28 | 0.26 |
| Sunflowerseed | 0.11 | 0.11 | 0.18 | 0.17 | 0.16 |
| Fish | 0.46 | 0.67 | 0.68 | 0.69 | 0.53 |
| Peanut | 0.02 | 0.02 | 0.05 | 0.03 | 0.03 |
| Copra | 0.02 | 0.20 | 0.11 | 0.04 | 0.06 |
| Linseed | 0.04 | 0.03 | 0.02 | 0.02 | 0.02 |
| Palm Kernel | 0.03 | 0.06 | 0.08 | 0.06 | 0.06 |
| TOTAL | 3.61 | 4.69 | 4.48 | 4.13 | 3.87 |

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[1] Forecast. Source: Counselor and Attache Reports; Official Statistics; U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## WORLD MAJOR OILSEEDS: SUPPLY AND UTILIZATION

(Million Metric Tons)

| | 1982-83 | 1983-84 | 1984-85 | 1985-86 | 1986-87[1] |
|---|---|---|---|---|---|
| **PRODUCTION** | | | | | |
| Soybean | 93.57 | 83.15 | 93.03 | 96.53 | 98.86 |
| Cottonseed | 26.65 | 26.09 | 33.89 | 30.45 | 26.75 |
| Peanut | 17.62 | 18.61 | 19.74 | 20.54 | 20.54 |
| Sunflowerseed | 16.68 | 15.49 | 17.96 | 19.30 | 19.41 |
| Rapeseed | 14.80 | 14.26 | 16.95 | 18.53 | 19.68 |
| Flaxseed | 2.50 | 2.13 | 2.31 | 2.37 | 2.73 |
| Copra | 4.57 | 3.93 | 4.80 | 5.50 | 5.36 |
| Palm Kernel | 1.84 | 2.04 | 2.26 | 2.55 | 2.53 |
| TOTAL | 178.25 | 165.72 | 190.95 | 195.78 | 195.86 |
| **EXPORTS** | | | | | |
| Soybean | 28.59 | 26.15 | 25.24 | 26.00 | 26.68 |
| Cottonseed | 0.18 | 0.25 | 0.25 | 0.20 | 0.21 |
| Peanut | 1.01 | 0.95 | 0.99 | 1.15 | 1.13 |
| Sunflowerseed | 1.98 | 1.96 | 2.14 | 1.88 | 1.95 |
| Rapeseed | 2.47 | 2.52 | 3.12 | 3.52 | 3.57 |
| Flaxseed | 0.50 | 0.68 | 0.61 | 0.68 | 0.79 |
| Copra | 0.26 | 0.29 | 0.32 | 0.44 | 0.45 |
| Palm Kernel | 0.14 | 0.18 | 0.14 | 0.14 | 0.14 |
| TOTAL | 35.13 | 32.96 | 32.82 | 34.02 | 34.93 |
| **IMPORTS** | | | | | |
| Soybean | 28.59 | 25.18 | 25.32 | 27.06 | 26.50 |
| Cottonseed | 0.12 | 0.18 | 0.27 | 0.18 | 0.20 |
| Peanut | 1.02 | 0.99 | 1.04 | 1.06 | 1.06 |
| Sunflowerseed | 1.96 | 1.83 | 2.11 | 1.80 | 1.86 |
| Rapeseed | 2.54 | 2.70 | 3.30 | 3.55 | 3.45 |
| Flaxseed | 0.50 | 0.61 | 0.62 | 0.68 | 0.59 |
| Copra | 0.23 | 0.25 | 0.34 | 0.45 | 0.40 |
| Palm Kernel | 0.13 | 0.11 | 0.11 | 0.15 | 0.16 |
| TOTAL | 35.08 | 31.86 | 33.11 | 34.92 | 34.21 |
| **CRUSH** | | | | | |
| Soybean | 76.23 | 70.76 | 73.69 | 76.16 | 79.22 |
| Cottonseed | 21.40 | 21.09 | 26.78 | 23.89 | 21.12 |
| Peanut | 9.71 | 10.21 | 10.67 | 11.14 | 10.96 |
| Sunflowerseed | 14.17 | 13.65 | 15.78 | 16.31 | 16.71 |
| Rapeseed | 13.82 | 13.32 | 15.37 | 16.76 | 17.41 |
| Flaxseed | 1.94 | 2.13 | 2.09 | 1.92 | 1.96 |
| Copra | 4.40 | 3.81 | 4.33 | 5.77 | 5.07 |
| Palm Kernel | 1.78 | 1.78 | 2.11 | 2.47 | 2.45 |
| TOTAL | 143.46 | 136.76 | 150.82 | 154.43 | 154.90 |
| **ENDING STOCKS** | | | | | |
| Soybean | 17.05 | 13.39 | 17.55 | 22.73 | 25.09 |
| Cottonseed | 0.39 | 0.17 | 0.46 | 0.37 | 0.19 |
| Peanut | 0.63 | 0.60 | 0.87 | 0.51 | 0.43 |
| Sunflowerseed | 0.81 | 0.36 | 0.28 | 0.57 | 0.66 |
| Rapeseed | 0.75 | 0.65 | 1.08 | 1.43 | 2.05 |
| Flaxseed | 0.66 | 0.32 | 0.23 | 0.40 | 0.66 |
| Copra | 0.13 | 0.08 | 0.44 | 0.06 | 0.16 |
| Palm Kernel | 0.09 | 0.19 | 0.18 | 0.13 | 0.11 |
| TOTAL | 20.51 | 15.76 | 21.08 | 26.21 | 29.35 |

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[1] Forecast. Source: Counselor and Attache Reports; Official Statistics; U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## WORLD MAJOR VEGETABLE AND MARINE OILS: SUPPLY AND UTILIZATION

(Million Metric Tons)

| | 1982-83 | 1983-84 | 1984-85 | 1985-86 | 1986-87[1] |
|---|---|---|---|---|---|
| **PRODUCTION** | | | | | |
| Soybean | 13.57 | 12.76 | 13.29 | 13.66 | 14.10 |
| Palm | 5.91 | 6.29 | 6.95 | 8.13 | 8.01 |
| Sunflowerseed | 5.66 | 5.44 | 6.18 | 6.46 | 6.63 |
| Rapeseed | 4.99 | 4.86 | 5.61 | 6.11 | 6.34 |
| Cottonseed | 3.14 | 3.08 | 3.90 | 3.49 | 3.10 |
| Peanut | 2.85 | 2.95 | 3.07 | 3.15 | 3.12 |
| Coconut | 2.77 | 2.40 | 2.72 | 3.62 | 3.17 |
| Olive | 1.91 | 1.64 | 1.57 | 1.66 | 1.51 |
| Fish | 1.15 | 1.48 | 1.32 | 1.36 | 1.29 |
| Palm Kernel | 0.78 | 0.79 | 0.94 | 1.11 | 1.09 |
| Linseed | 0.65 | 0.74 | 0.69 | 0.65 | 0.68 |
| TOTAL | 43.38 | 42.46 | 46.25 | 49.41 | 49.07 |
| **EXPORTS** | | | | | |
| Soybean | 3.81 | 3.97 | 3.66 | 3.14 | 3.24 |
| Palm | 3.68 | 3.54 | 4.42 | 5.35 | 5.28 |
| Sunflowerseed | 1.54 | 1.55 | 1.86 | 2.09 | 1.84 |
| Rapeseed | 0.83 | 0.97 | 1.30 | 1.29 | 1.31 |
| Cottonseed | 0.39 | 0.33 | 0.39 | 0.40 | 0.33 |
| Peanut | 0.49 | 0.28 | 0.27 | 0.26 | 0.27 |
| Coconut | 1.32 | 0.90 | 1.17 | 1.62 | 1.42 |
| Olive | 0.36 | 0.30 | 0.50 | 0.40 | 0.41 |
| Fish | 0.73 | 0.96 | 1.05 | 0.81 | 0.88 |
| Palm Kernel | 0.51 | 0.53 | 0.66 | 0.71 | 0.71 |
| Linseed | 0.28 | 0.30 | 0.26 | 0.25 | 0.23 |
| TOTAL | 13.96 | 13.63 | 15.53 | 16.30 | 15.93 |
| **IMPORTS** | | | | | |
| Soybean | 3.69 | 3.93 | 3.56 | 3.10 | 3.08 |
| Palm | 3.51 | 3.39 | 4.31 | 5.58 | 5.18 |
| Sunflowerseed | 1.40 | 1.62 | 1.94 | 2.01 | 1.85 |
| Rapeseed | 0.79 | 0.95 | 1.18 | 1.33 | 1.34 |
| Cottonseed | 0.34 | 0.33 | 0.40 | 0.34 | 0.33 |
| Peanut | 0.45 | 0.34 | 0.31 | 0.31 | 0.30 |
| Coconut | 1.19 | 1.04 | 1.08 | 1.55 | 1.40 |
| Olive | 0.40 | 0.34 | 0.50 | 0.44 | 0.48 |
| Fish | 0.71 | 0.95 | 1.07 | 0.93 | 0.93 |
| Palm Kernel | 0.52 | 0.46 | 0.58 | 0.79 | 0.76 |
| Linseed | 0.22 | 0.23 | 0.23 | 0.22 | 0.21 |
| TOTAL | 13.21 | 13.59 | 15.16 | 16.60 | 15.86 |
| **CONSUMPTION** | | | | | |
| Soybean | 13.27 | 12.99 | 13.11 | 13.47 | 13.92 |
| Palm | 5.97 | 5.85 | 6.62 | 7.83 | 8.14 |
| Sunflowerseed | 5.47 | 5.59 | 6.05 | 6.40 | 6.72 |
| Rapeseed | 4.93 | 4.82 | 5.48 | 6.13 | 6.38 |
| Cottonseed | 3.08 | 3.09 | 3.82 | 3.44 | 3.17 |
| Peanut | 2.82 | 3.00 | 3.12 | 3.17 | 3.17 |
| Coconut | 2.69 | 2.49 | 2.65 | 3.28 | 3.36 |
| Olive | 1.63 | 1.80 | 1.74 | 1.72 | 1.64 |
| Fish | 1.10 | 1.38 | 1.41 | 1.47 | 1.37 |
| Palm Kernel | 0.80 | 0.72 | 0.81 | 1.13 | 1.17 |
| Linseed | 0.59 | 0.68 | 0.67 | 0.63 | 0.65 |
| TOTAL | 42.33 | 42.40 | 45.48 | 48.68 | 49.68 |
| **ENDING STOCKS** | | | | | |
| Soybean | 1.54 | 1.27 | 1.36 | 1.50 | 1.52 |
| Palm | 0.54 | 0.83 | 1.05 | 1.58 | 1.36 |
| Sunflowerseed | 0.26 | 0.19 | 0.39 | 0.38 | 0.30 |
| Rapeseed | 0.15 | 0.18 | 0.19 | 0.22 | 0.21 |
| Cottonseed | 0.11 | 0.11 | 0.20 | 0.20 | 0.13 |
| Peanut | 0.04 | 0.05 | 0.03 | 0.07 | 0.06 |
| Coconut | 0.17 | 0.23 | 0.21 | 0.48 | 0.27 |
| Olive | 1.02 | 0.91 | 0.75 | 0.73 | 0.68 |
| Fish | 0.31 | 0.42 | 0.35 | 0.37 | 0.34 |
| Palm Kernel | 0.06 | 0.05 | 0.10 | 0.16 | 0.13 |
| Linseed | 0.05 | 0.05 | 0.04 | 0.03 | 0.04 |
| Total | 4.26 | 4.28 | 4.68 | 5.72 | 5.04 |

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[1] Forecast. Source: Counselor and Attache Reports; Official Statistics; U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## PRICES OF U.S. SOYBEAN OIL

Soy Oil, Domestic Crude: Average Cents per Pound
in Tank Cars at Midwestern Mills
by Month, 1950/51 - 1985/86

| Crop Year | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | Sept. | SEASON AVG. ★ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1950-51 | 14.6 | 17.1 | 19.6 | 20.6 | 21.1 | 20.5 | 20.5 | 19.5 | 16.4 | 14.5 | 15.4 | 14.0 | 17.8 |
| 1955-56 | 10.9 | 11.0 | 10.9 | 11.7 | 12.8 | 14.3 | 14.9 | 15.3 | 13.6 | 12.5 | 11.4 | 11.3 | 12.5 |
| 1960-61 | 9.4 | 10.2 | 10.0 | 10.9 | 12.2 | 13.0 | 13.3 | 12.7 | 13.6 | 10.9 | 10.9 | 10.5 | 11.3 |
| 1961-62 | 10.7 | 10.4 | 10.5 | 10.5 | 10.2 | 10.1 | 9.9 | 9.3 | 8.4 | 8.0 | 8.2 | 8.1 | 9.5 |
| 1962-63 | 8.7 | 8.6 | 8.6 | 8.9 | 9.2 | 9.3 | 9.1 | 9.2 | 9.1 | 9.0 | 8.3 | 8.5 | 8.9 |
| 1963-64 | 9.2 | 9.1 | 8.3 | 8.1 | 8.0 | 8.1 | 7.9 | 8.4 | 8.2 | 8.5 | 8.8 | 9.7 | 8.5 |
| 1964-65 | 10.9 | 12.2 | 12.0 | 11.6 | 12.1 | 12.2 | 12.1 | 10.4 | 10.2 | 10.0 | 10.5 | 11.4 | 11.3 |
| 1965-66 | 11.5 | 11.2 | 11.2 | 11.9 | 12.0 | 11.3 | 11.6 | 11.3 | 11.2 | 12.3 | 14.1 | 12.3 | 11.8 |
| 1966-67 | 10.9 | 10.8 | 10.6 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 9.8 | 9.1 | 9.6 | 9.3 | 10.1 |
| 1967-68 | 8.8 | 8.6 | 8.6 | 8.7 | 9.5 | 9.1 | 8.8 | 8.7 | 7.8 | 7.4 | 7.5 | 7.5 | 8.4 |
| 1968-69 | 7.3 | 7.9 | 8.1 | 8.6 | 8.9 | 8.8 | 8.4 | 8.4 | 7.8 | 8.2 | 8.9 | 9.7 | 8.4 |
| 1969-70 | 10.6 | 10.9 | 9.6 | 9.6 | 11.5 | 12.2 | 12.2 | 11.3 | 11.1 | 11.5 | 11.6 | 12.1 | 11.2 |
| 1970-71 | 14.0 | 13.9 | 12.4 | 12.3 | 12.1 | 12.2 | 11.2 | 11.4 | 12.8 | 14.5 | 14.5 | 12.8 | 12.8 |
| 1971-72 | 13.2 | 12.5 | 11.7 | 10.9 | 11.0 | 11.7 | 11.9 | 11.4 | 10.7 | 10.3 | 10.1 | 9.8 | 11.3 |
| 1972-73 | 9.6 | 9.6 | 9.7 | 10.1 | 13.0 | 13.9 | 15.0 | 17.1 | 19.3 | 22.4 | 33.5 | 24.3 | 16.5 |
| 1973-74 | 23.1 | 20.4 | 26.0 | 28.6 | 36.4 | 30.2 | 28.2 | 29.4 | 31.6 | 40.5 | 43.3 | 40.7 | 31.5 |
| 1974-75 | 42.3 | 40.4 | 38.0 | 33.6 | 29.4 | 29.1 | 28.2 | 23.6 | 23.3 | 27.5 | 28.5 | 24.4 | 30.7 |
| 1975-76 | 21.4 | 18.9 | 16.8 | 16.2 | 16.3 | 16.6 | 16.3 | 15.8 | 17.6 | 20.9 | 20.4 | 22.5 | 18.3 |
| 1976-77 | 20.7 | 21.8 | 21.0 | 20.9 | 22.4 | 26.5 | 29.6 | 31.3 | 28.3 | 23.8 | 21.1 | 19.2 | 23.9 |
| 1977-78 | 18.8 | 21.0 | 22.6 | 20.9 | 21.6 | 26.6 | 26.8 | 28.8 | 26.9 | 25.9 | 26.3 | 27.8 | 24.5 |
| 1978-79 | 26.7 | 23.7 | 25.3 | 25.8 | 27.3 | 26.9 | 26.7 | 27.8 | 27.4 | 29.1 | 29.2 | 30.0 | 27.2 |
| 1979-80 | 27.9 | 27.8 | 26.2 | 23.6 | 23.4 | 22.1 | 20.3 | 20.8 | 21.6 | 26.2 | 25.9 | 26.1 | 24.3 |
| 1980-81 | 25.1 | 26.7 | 23.7 | 23.0 | 22.0 | 23.1 | 23.4 | 21.6 | 21.3 | 22.8 | 20.8 | 19.4 | 22.7 |
| 1981-82 | 19.7 | 19.9 | 18.9 | 18.4 | 18.2 | 18.5 | 19.7 | 20.6 | 19.4 | 19.0 | 17.9 | 17.4 | 19.0 |
| 1982-83 | 17.4 | 17.6 | 16.6 | 16.4 | 17.3 | 17.7 | 19.3 | 19.8 | 19.4 | 21.6 | 30.2 | 34.3 | 20.6 |
| 1983-84 | 30.7 | 28.1 | 27.4 | 28.3 | 27.2 | 30.1 | 32.1 | 39.0 | 36.0 | 30.9 | 29.0 | 28.0 | 30.6 |
| 1984-85 | 30.6 | 31.9 | 28.4 | 28.0 | 29.6 | 31.4 | 33.6 | 32.5 | 32.5 | 29.1 | 24.1 | 22.5 | 29.5 |
| 1985-86 | 20.7 | 20.6 | 21.4 | 20.6 | 18.6 | 17.6 | 17.7 | 17.8 | 16.8 | 16.2 | 14.3 | 13.9 | 18.0 |

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★ Simple average for months shown. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (March 87), U.S. Department of Agriculture, Economic Research Service.

## U.S. SOYBEAN OIL UTILIZATION

### 1960 - 1985 (Million Pounds)

| Year Beginning October | Food | | | | | Nonfood | | | | | Total Domestic Utilization |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Shortening | Margarine | Cooking and Salad Oils[1] | Other Edible | Total | Paint and Varnish | Resins and Plastics | Fatty Acids | Other Inedible[2] | Total | |
| 1960 | 1,097 | 1,073 | 793 | 26 | 2,989 | 96 | 64 | 6 | 34 | 201 | 3,190 |
| 1965 | 1,739 | 1,241 | 1,200 | 38 | 4,218 | 100 | 104 | — | 59 | 263 | 4,481 |
| 1966 | 1,691 | 1,273 | 1,353 | 58 | 4,375 | 96 | 97 | — | 68 | 261 | 4,636 |
| 1967 | 1,816 | 1,234 | 1,494 | 44 | 4,588 | 86 | 97 | — | 66 | 249 | 4,837 |
| 1968 | 1,978 | 1,290 | 1,967 | 36 | 5,271 | 87 | 94 | — | 67 | 249 | 5,520 |
| 1969 | 2,255 | 1,415 | 2,150 | 37 | 5,857 | 94 | 79 | 1 | 54 | 228 | 6,085 |
| 1970 | 2,077 | 1,381 | 2,288 | 34 | 5,780 | 82 | 65 | 3 | 55 | 205 | 5,985 |
| 1971 | 2,089 | 1,413 | 2,469 | 38 | 6,009 | 81 | 55 | 6 | 38 | 180 | 6,189 |
| 1972 | 2,230 | 1,491 | 2,469 | 39 | 6,229 | 81 | 57 | 9 | 39 | 186 | 6,415 |
| 1973 | 2,321 | 1,513 | 2,884 | 30 | 6,748 | 91 | 77 | 12 | 48 | 228 | 6,976 |
| 1974 | 1,882 | 1,486 | 2,680 | 22 | 6,070 | 83 | 58 | 16 | 31 | 188 | 6,258 |
| 1975 | 2,416 | 1,691 | 3,274 | 24 | 7,405 | 94 | 66 | 23 | 24 | 207 | 7,612 |
| 1976 | 2,189 | 1,568 | 3,221 | 25 | 7,003 | 85 | 83 | 26 | 36 | 230 | 7,233 |
| 1977 | 2,433 | 1,592 | 3,808 | 29 | 7,862 | 87 | 79 | 42 | 33 | 241 | 8,103 |
| 1978 | 2,653 | 1,651 | 3,956 | 38 | 8,298 | 75 | 88 | 35 | 46 | 244 | 8,542 |
| 1979 | 2,658 | 1,648 | 4,153 | 35 | 8,493 | 52 | 80 | 21 | 52 | 205 | 8,698 |
| 1980 | 2,675 | 1,666 | 4,226 | 43 | 8,610 | 46 | 71 | 23 | 63 | 202 | 8,813 |
| 1981 | 2,990 | 1,723 | 4,367 | 51 | 9,131 | 39 | 94 | 22 | 49 | 203 | 9,334 |
| 1982 | 2,944 | 1,615 | 4,668 | 58 | 9,284 | 38 | 96 | 16 | 55 | 205 | 9,489 |
| 1983 | 3,207 | 1,494 | 4,442 | 102 | 9,245 | 39 | 110 | 21 | 61 | 231 | 9,477 |
| 1984 | 3,655 | 1,589 | 4,800 | 129 | 10,172 | 52 | 92 | 29 | 78 | 251 | 10,423 |
| 1985[3] | 3,587 | 1,640 | 4,919 | 102 | 10,248 | 45 | 100 | 27 | 80 | 252 | 10,500 |

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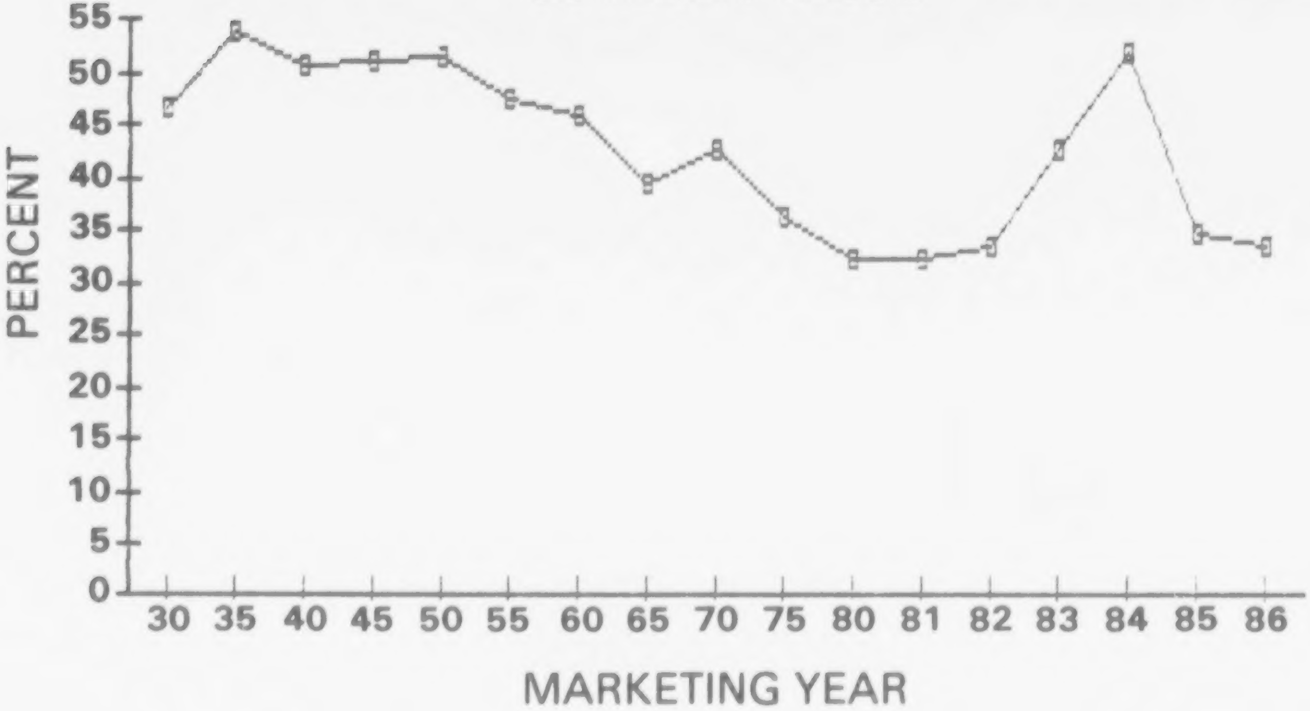
[1] Adjusted for exports of refined and further processed salad oil. Prior to January 1965 no adjustment made for exports of undeodorized hydrogenated oil. [2] Includes soap and other miscellaneous. [3] Estimate. Sources: OIL CROPS OUTLOOK & SITUATION REPORT (March 87), U.S. Department of Agriculture, Economic Research Service. FATS & OILS, PRODUCTION, CONSUMPTION & STOCKS, Bureau of Census.

## U.S. SOYBEAN OIL VALUE AS PERCENT OF TOTAL SOYBEAN VALUE



## U.S. SOYBEAN OIL: SUPPLY, DISPOSITION AND PRICE

### 1960 - 1986

| Year Beginning October | Supply | | | | Disappearance | | | Price Per Pound |
|---|---|---|---|---|---|---|---|---|
| | Production | Imports | Stocks October 1 | TOTAL | Exports | Domestic | TOTAL | (Tank Cars) Crude, Decatur (Cents) |
| | (Million Pounds) | | | | (Million Pounds) | | | |
| 1960 | 4,420 | — | 308 | 5,456 | 700[1] | 3,329 | 4,029 | 11.3 |
| 1965 | 5,800 | — | 297 | 6,097 | 923 | 4,687 | 5,635 | 11.8 |
| 1966 | 6,076 | —[2] | 462 | 6,538 | 1,077 | 4,837 | 5,942 | 10.1 |
| 1967 | 6,032 | — | 596 | 6,628 | 963 | 5,096 | 6,089 | 8.4 |
| 1968 | 6,531 | —[2] | 540 | 7,071 | 870 | 5,756 | 6,655 | 8.4 |
| 1969 | 7,904 | — | 415 | 8,319 | 1,420 | 6,328 | 7,777 | 11.2 |
| 1970 | 8,265 | — | 543 | 8,808 | 1,742 | 6,253 | 8,035 | 12.8 |
| 1971 | 7,892 | —[2] | 773 | 8,665 | 1,398 | 6,439 | 7,879 | 11.3 |
| 1972 | 7,501 | —[2] | 785 | 8,286 | 1,066 | 6,685 | 7,771 | 16.5 |
| 1973 | 8,995 | —[2] | 516 | 9,511 | 1,435 | 7,255 | 8,716 | 31.5 |
| 1974 | 7,375 | — | 794 | 8,169 | 1,028 | 6,518 | 7,608 | 30.7 |
| 1975 | 9,630 | — | 561 | 10,191 | 976 | 7,906 | 8,940 | 18.3 |
| 1976 | 8,578 | — | 1,251 | 9,829 | 1,547 | 7,454 | 9,061 | 23.9 |
| 1977 | 10,288 | — | 771 | 11,059 | 2,057 | 8,273 | 10,410 | 24.6 |
| 1978 | 11,323 | — | 729 | 12,052 | 2,334 | 8,942 | 11,353 | 27.2 |
| 1979 | 12,105 | — | 776 | 12,881 | 2,690 | 8,981 | 11,722 | 24.3 |
| 1980 | 11,270 | — | 1,210 | 12,480 | 1,631 | 9,113 | 10,744 | 22.7 |
| 1981 | 10,979 | — | 1,736 | 12,715 | 2,077 | 9,535 | 11,612 | 19.0 |
| 1982 | 12,040 | — | 1,103 | 13,143 | 2,025 | 9,857 | 11,882 | 20.6 |
| 1983 | 10,872 | — | 1,261 | 12,133 | 1,824 | 9,588 | 11,412 | 30.6 |
| 1984 | 11,468 | — | 721 | 12,209 | 1,660 | 9,917 | 11,577 | 29.5 |
| 1985 | 11,628 | — | 632 | 12,260 | 1,257 | 10,063 | 11,320 | 18.0 |
| 1986[3] | 11,880 | — | 940 | 12,820 | 1,200 | 10,300 | 11,500 | 15.5 |

[1] Includes estimates of foreign donations of fats and oils, not reported by census, 1960-64. [2] Less than 500,000 pounds. [3] Forecast. Source: OIL CROPS OUTLOOK & SITUATION REPORT (March 87), U.S. Department of Agriculture, Economic Research Service.

## U.S. SOYBEAN EXPORTS BY MONTH

(Million Bushels)

1953 - 1985

| Year | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | April | May | June | July | Aug. | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1953 | 1.1 | 5.8 | 10.1 | 7.7 | 3.7 | 2.5 | 1.7 | 3.2 | 1.6 | 1.0 | 1.0 | .7 | 40.1 |
| 1955 | 4.0 | 8.8 | 13.2 | 12.7 | 6.8 | 2.6 | 1.9 | 5.1 | 4.3 | 3.7 | 3.7 | 1.7 | 68.6 |
| 1960 | 8.2 | 14.1 | 22.7 | 20.6 | 9.1 | 10.2 | 8.5 | 7.7 | 11.4 | 7.7 | 7.7 | 7.0 | 134.7 |
| 1961 | 3.6 | 20.7 | 23.6 | 16.5 | 10.9 | 10.3 | 11.0 | 11.7 | 12.7 | 11.9 | 8.1 | 8.4 | 149.4 |
| 1962 | 7.3 | 22.4 | 27.4 | 18.7 | 3.7 | 19.3 | 14.4 | 14.1 | 11.6 | 15.6 | 14.3 | 11.8 | 180.5 |
| 1963 | 7.2 | 19.8 | 21.3 | 21.8 | 17.0 | 16.2 | 13.6 | 17.6 | 14.0 | 13.0 | 11.9 | 13.7 | 187.2 |
| 1964 | 11.1 | 29.5 | 27.4 | 24.4 | 2.9 | 11.3 | 25.0 | 17.6 | 17.8 | 16.1 | 17.4 | 11.7 | 212.2 |
| 1965 | 4.8 | 32.3 | 39.4 | 31.4 | 19.6 | 17.1 | 21.6 | 20.2 | 21.5 | 19.6 | 12.1 | 11.1 | 250.6 |
| 1966 | 5.5 | 29.4 | 40.6 | 29.8 | 21.9 | 20.4 | 17.5 | 21.7 | 21.8 | 20.0 | 16.8 | 16.2 | 261.6 |
| 1967 | 10.3 | 29.7 | 39.9 | 27.2 | 21.8 | 18.8 | 24.1 | 21.6 | 20.1 | 18.7 | 17.1 | 17.5 | 266.6 |
| 1968 | 13.9 | 32.8 | 50.0 | 38.5 | 1.2 | 11.4 | 36.6 | 34.3 | 23.8 | 14.0 | 18.2 | 12.1 | 286.8 |
| 1969 | 13.3 | 52.5 | 53.7 | 39.9 | 28.7 | 31.6 | 39.2 | 41.2 | 37.1 | 38.5 | 25.2 | 31.6 | 432.6 |
| 1970 | 29.9 | 44.0 | 45.3 | 46.9 | 35.1 | 33.0 | 35.1 | 32.8 | 30.2 | 34.9 | 34.4 | 31.3 | 433.8 |
| 1971 | 29.2 | 29.4 | 47.4 | 50.3 | 42.4 | 35.5 | 31.3 | 37.3 | 31.7 | 31.1 | 26.3 | 24.9 | 416.8 |
| 1972 | 15.0 | 54.3 | 61.2 | 49.1 | 47.7 | 54.7 | 59.1 | 45.5 | 41.0 | 26.5 | 14.2 | 11.0 | 479.4 |
| 1973 | 7.5 | 46.6 | 74.4 | 58.0 | 48.3 | 56.4 | 57.9 | 62.0 | 43.5 | 36.1 | 27.1 | 21.2 | 539.1 |
| 1974 | 22.9 | 32.2 | 63.2 | 41.4 | 50.0 | 33.3 | 38.4 | 35.8 | 25.1 | 14.0 | 31.0 | 33.4 | 420.7 |
| 1975 | 24.3 | 62.7 | 61.5 | 49.6 | 51.8 | 52.2 | 52.3 | 50.5 | 49.5 | 47.2 | 29.2 | 24.3 | 555.1 |
| 1976 | 22.2 | 60.1 | 67.4 | 56.7 | 50.9 | 59.9 | 58.4 | 57.0 | 55.1 | 31.0 | 27.2 | 18.1 | 564.1 |
| 1977 | 15.0 | 77.6 | 87.7 | 57.0 | 52.6 | 54.4 | 66.6 | 72.7 | 79.3 | 63.4 | 34.7 | 39.3 | 700.3 |
| 1978 | 38.0 | 87.5 | 101.7 | 70.6 | 77.0 | 53.2 | 83.6 | 67.8 | 47.0 | 41.0 | 32.7 | 39.7 | 739.8* |
| 1979 | 40.8 | 88.8 | 118.1 | 78.3 | 85.8 | 73.0 | 69.3 | 81.3 | 74.2 | 58.7 | 49.1 | 57.7 | 875.1 |
| 1980 | 41.4 | 60.3 | 75.0 | 74.5 | 71.7 | 55.5 | 103.2 | 60.0 | 69.6 | 41.8 | 29.6 | 41.8 | 724.3 |
| 1981 | 50.9 | 100.8 | 103.7 | 73.6 | 84.3 | 89.4 | 79.0 | 85.7 | 90.6 | 59.8 | 53.8 | 57.5 | 929.1 |
| 1982 | 58.0 | 94.4 | 93.6 | 90.1 | 86.3 | 87.2 | 84.4 | 73.3 | 58.5 | 67.7 | 51.6 | 60.2 | 905.2 |
| 1983 | 53.9 | 67.6 | 69.2 | 74.5 | 80.4 | 79.7 | 78.8 | 68.5 | 56.8 | 41.1 | 39.2 | 30.7 | 740.4 |
| 1984 | 19.0 | 40.9 | 93.5 | 84.8 | 70.3 | 72.6 | 59.8 | 60.4 | 33.1 | 18.2 | 19.2 | 26.3 | 598.0 |
| 1985 | 31.5 | 55.3 | 79.6 | 94.1 | 84.7 | 92.1 | 88.7 | 80.4 | 57.2 | 28.7 | 26.6 | 21.0 | 740.0 |

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*Bureau of Census figure. USDA figure 753., based on inspections for export. Figures may be adjusted in the future. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (March 87); U.S. Department of Agriculture, Economic Research Service.

## U.S. SOYBEAN EXPORTS BY PORT AND COUNTRY OF DESTINATION

### September 1985 - August 1986 (1,000 Bushels)

| Country | St. Lawrence Seaway | Lakes | Atlantic | Gulf | Pacific | Interior | TOTAL |
|---|---|---|---|---|---|---|---|
| Belgium | — | 1,116 | 2,223 | 23,051 | — | — | 26,390 |
| Brazil | — | — | — | 8,260 | — | — | 8,260 |
| Bulgaria | — | — | — | 1,736 | — | — | 1,736 |
| China (PRC) | — | — | 1,157 | 5,730 | 1,157 | — | 8,044 |
| China (Taiwan) | — | — | 1,161 | 45,257 | 9,545 | — | 55,963 |
| Colombia | — | — | — | 2,134 | — | — | 2,134 |
| Costa Rica | — | — | — | 302 | — | — | 302 |
| Denmark | — | — | — | 2,100 | — | — | 2,100 |
| Dominican Republic | — | — | — | 1,732 | — | — | 1,732 |
| Egypt | — | — | — | 1,616 | — | — | 1,616 |
| El Salvador | — | — | — | 104 | — | — | 104 |
| France | 1,928 | 2,019 | 2,015 | 9,577 | — | — | 15,539 |
| Germany (GDR, E) | — | 179 | — | — | — | — | 179 |
| Germany (Fed. Rep., W) | — | 967 | 1,684 | 32,775 | — | — | 35,426 |
| Greece | — | — | 1,387 | 7,068 | — | — | 8,455 |
| Haiti | — | — | — | 304 | — | — | 304 |
| Indonesia | — | — | — | 1,951 | 970 | — | 2,921 |
| Israel | — | — | 1,476 | 13,795 | — | — | 15,271 |
| Italy | — | — | 914 | 28,803 | — | — | 29,717 |
| Jamaica | — | — | — | 1,904 | — | — | 1,904 |
| Japan | 2,824 | 4,555 | 19,230 | 136,804 | 248 | 7 | 163,668 |
| Korea, Republic of | — | — | — | 28,927 | 6,887 | — | 35,814 |
| Kuwait | — | — | — | 600 | — | — | 600 |
| Malaysia | — | — | 323 | — | — | — | 323 |
| Mexico | — | — | — | 11,861 | — | 16,692 | 28,553 |
| Morocco | — | 323 | — | 707 | — | — | 1,030 |
| Netherlands | — | 2,805 | 1,691 | 108,691 | — | — | 113,187 |
| Norway | — | — | — | 5,306 | — | — | 5,306 |
| Philippines | — | — | — | 198 | — | — | 198 |
| Portugal | — | — | 9,112 | 7,727 | — | — | 16,839 |
| Romania | — | — | 1,048 | 7,728 | — | — | 8,776 |
| Spain | — | 6,552 | 14,063 | 39,025 | — | — | 59,640 |
| United Kingdom | — | 2,464 | 3,022 | 10,128 | — | — | 15,614 |
| U.S.S.R. | 5 | — | 1,898 | 53,900 | — | — | 55,803 |
| Venezuela | — | — | — | 5,871 | — | — | 5,871 |
| Yugoslavia | — | — | 808 | 8,136 | — | — | 8,944 |
| **Totals:** | | | | | | | |
| Sep. 85-Aug. 86 | 4,757 | 20,980 | 63,212 | 613,808 | 18,807 | 16,699 | 738,263 |
| Sep. 84-Aug. 85 | 5,878 | 21,984 | 65,748 | 453,753 | 23,859 | 23,647 | 594,869 |
| *Shipments to Canada | 0 | 7,007[1] | 0 | 0 | 0 | 0 | 7,007 |

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*Not included in total. Grian shipped for storage in Canada is reported at time of shipment from St. Lawrence Seaway ports. [1]Includes 71,000 bushels shipped from Interior. Source: GRAIN & FEED MARKET NEWS (Oct. 86), U.S. Department of Agriculture, Agriculture Marketing Service.

## U.S. EXPORTS: SOYBEANS

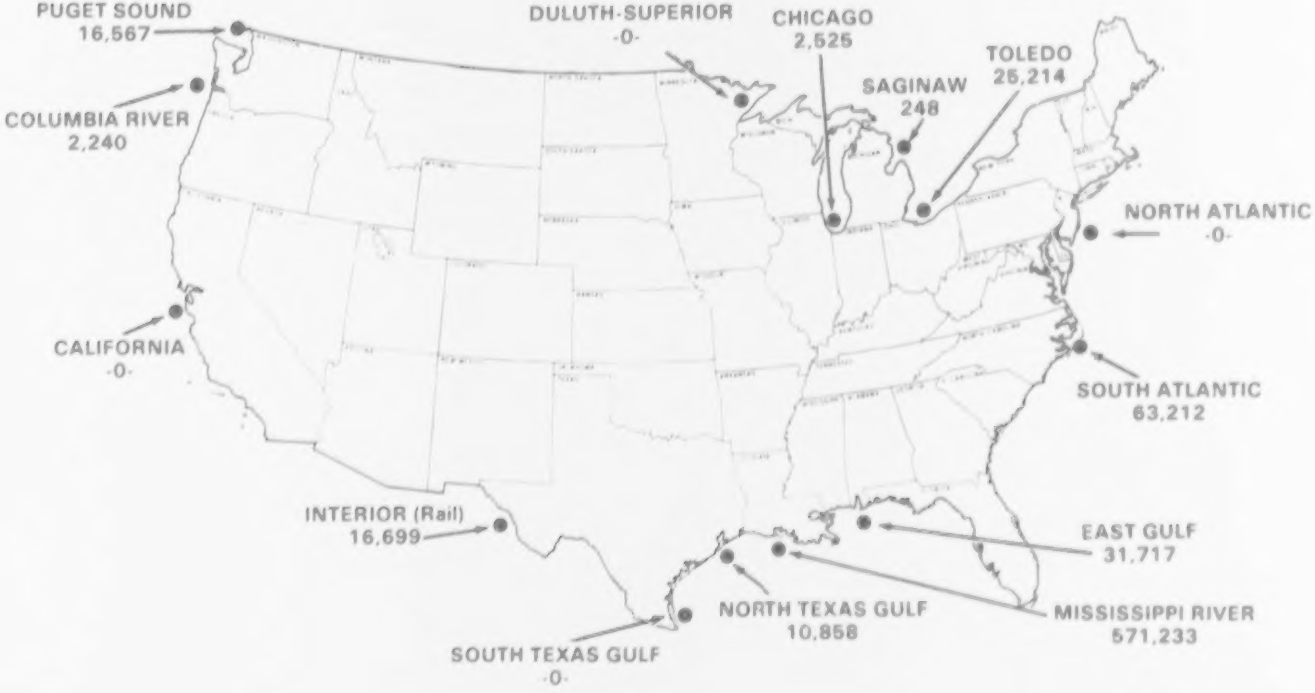
### Volume of Exports by Country of Destination (in Metric Tons) and Total Value

| Country or Region of Destination | 1982 | 1983 | 1984 | 1985 | 1986[1] |
|---|---|---|---|---|---|
| **North America:** | | | | | |
| Canada | 317,030 | 235,477 | 259,617 | 133,515 | 158,965 |
| Mexico | 287,302 | 942,536 | 1,576,293 | 962,929 | 822,933 |
| Other | 173,842 | 169,894 | 119,420 | 101,482 | 133,228 |
| Total | 778,174 | 1,347,907 | 1,955,330 | 1,197,926 | 1,115,126 |
| **South America:** | | | | | |
| Brazil | 202,649 | 0 | 0 | 194,820 | 325,117 |
| Colombia | 80,925 | 94,659 | 98,203 | 130,174 | 2,713 |
| Ecuador | 16,163 | 40,094 | 22,779 | 0 | 0 |
| Peru | 700 | 8,400 | 2,382 | 0 | 15,750 |
| Venezuela | 79,234 | 54,501 | 113,457 | 165,996 | 139,471 |
| Other | 723 | 36 | 1,187 | 0 | 246 |
| Total | 380,394 | 197,690 | 238,008 | 490,990 | 483,297 |
| **Europe and Russia:** | | | | | |
| Belgium & Luxembourg | 1,404,710 | 1,110,907 | 898,079 | 529,091 | 960,308 |
| Czechoslovakia | 12,747 | 0 | 0 | 13,209 | 0 |
| Denmark | 142,883 | 157,520 | 99,626 | 72,251 | 57,131 |
| France | 848,381 | 515,273 | 540,779 | 257,234 | 438,615 |
| Germany, Fed. Rep. of | 2,044,149 | 1,610,693 | 741,946 | 846,461 | 1,165,802 |
| Germany, Dem. R. | 0 | 0 | 12,076 | 0 | 12,216 |
| Greece | 218,897 | 264,190 | 145,100 | 205,541 | 207,004 |
| Ireland | 0 | 0 | 0 | 0 | 3,992 |
| Italy | 906,225 | 594,616 | 582,516 | 627,778 | 755,766 |
| Netherlands | 5,111,557 | 3,788,697 | 3,323,948 | 2,856,583 | 3,427,623 |
| Norway | 344,631 | 293,555 | 183,199 | 126,701 | 218,756 |
| Poland | 92,813 | 193,235 | 73,879 | 0 | 0 |
| Portugal | 469,504 | 701,175 | 608,853 | 517,653 | 537,822 |
| Romania | 243,818 | 305,113 | 369,414 | 97,504 | 238,904 |
| Soviet Union | 649,050 | 560,869 | 46,201 | 0 | 1,518,594 |
| Spain | 2,968,165 | 1,938,353 | 1,633,409 | 1,185,643 | 1,783,813 |
| Switzerland | 380,973 | 548,588 | 255,907 | 4,285 | 6,216 |
| United Kingdom | 640,061 | 489,382 | 286,252 | 392,010 | 474,046 |
| Yugoslavia | 189,343 | 222,593 | 301,622 | 234,900 | 178,503 |
| Other | 62 | 6,500 | 32,744 | 31,766 | 50,340 |
| Total | 16,667,969 | 13,301,259 | 10,135,550 | 7,998,610 | 12,035,451 |
| **Middle East:** | 518,720 | 488,143 | 420,639 | 433,355 | 410,467 |
| **Africa:** | 85,761 | 40,800 | 28,372 | 20,285 | 149,817 |
| **Asia:** | | | | | |
| China: | | | | | |
| P.R.C. | 245,671 | 0 | 0 | 63,001 | 124,496 |
| Taiwan | 1,126,536 | 1,375,002 | 1,312,722 | 1,358,092 | 1,735,033 |
| India | 0 | 0 | 0 | 0 | 0 |
| Indonesia | 384,805 | 366,029 | 254,712 | 51,871 | 52,828 |
| Japan | 4,067,582 | 4,550,384 | 4,138,591 | 4,297,265 | 4,121,559 |
| Korea, Rep. of | 588,013 | 744,617 | 660,260 | 827,792 | 1,012,713 |
| Pakistan | 0 | 0 | 199 | 0 | 0 |
| Other | 169,258 | 124,978 | 55,851 | 0 | 0 |
| Total | 6,581,865 | 7,161,010 | 6,422,335 | 6,598,021 | 7,046,634 |
| **Australia & Oceania:** | 7,008 | 40,082 | 42,242 | 40 | 20 |
| **Other Unidentified:** | 455,003 | 127,290 | 240,060 | 149,976 | 119,106 |
| **GRAND TOTAL** | 25,474,898[2] | 22,704,181[2] | 19,482,717[2] | 16,889,203[2] | 21,374,195[2] |
| **VALUE OF EXPORTS:** | | | | | |
| **Total (Mil. $)** | 6,218 | 5,913 | 5,418 | 3,728 | 4,321 |

Note: Figures computed from unrounded data. [1]Preliminary. [2]Includes Canadian transshipments. Source: Compiled from reports of the U.S. Department of Commerce, U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

# U.S. Soybean Exports by Port Areas

Sept. 1985 — Aug. 1986 (Thousand Bushels)


PUGET SOUND
16,567
COLUMBIA RIVER
2,240
CALIFORNIA
-0-
DULUTH-SUPERIOR
-0-
CHICAGO
2,525
SAGINAW
248
TOLEDO
25,214
NORTH ATLANTIC
-0-
SOUTH ATLANTIC
63,212
INTERIOR (Rail)
16,699
EAST GULF
31,717
NORTH TEXAS GULF
10,858
MISSISSIPPI RIVER
571,233
SOUTH TEXAS GULF
-0-

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## U.S. EXPORTS: SOYBEAN OILSEED CAKE & MEAL[1]

### Volume of Exports by Country of Destination (in Metric Tons) and Total Value

| Country or Region of Destination | 1982 | 1983 | 1984 | 1985 | 1986[2] |
|---|---|---|---|---|---|
| **North America:** | | | | | |
| Canada | 359,262 | 393,280 | 483,427 | 492,841 | 729,090 |
| Mexico | 38,540 | 168,706 | 49,050 | 82,174 | 108,009 |
| Other | 180,776 | 199,745 | 209,885 | 264,256 | 209,935 |
| Total | 578,578 | 761,731 | 742,362 | 839,271 | 1,047,034 |
| **South America:** | | | | | |
| Brazil | 0 | 0 | 0 | 0 | 0 |
| Colombia | 24,889 | 12,065 | 11,000 | 6,797 | 0 |
| Ecuador | 0 | 2,032 | 7,348 | 0 | 0 |
| Peru | 24,754 | 8,483 | 8,005 | 26,523 | 51,320 |
| Venezuela | 474,712 | 506,920 | 534,155 | 729,210 | 422,335 |
| Other | 17,670 | 11,105 | 13,013 | 15,690 | 10,693 |
| Total | 541,845 | 540,605 | 573,521 | 778,220 | 484,348 |
| **Europe and Russia:** | | | | | |
| Belgium & Luxembourg | 18,371 | 6,042 | 7,403 | 0 | 0 |
| Czechoslovakia | 76,381 | 34,013 | 0 | 0 | 0 |
| Denmark | 3,500 | 0 | 0 | 0 | 9,944 |
| France | 37,793 | 3,674 | 0 | 0 | 37,235 |
| Germany, Fed. Rep. of | 739,613 | 1,340,333 | 636,595 | 336,567 | 484,259 |
| Germany, Dem. R. | 120,862 | 79,244 | 0 | 47,250 | 116,447 |
| Greece | 6,593 | 1,200 | 2,613 | 13,283 | 12,972 |
| Ireland | 24,450 | 11,412 | 12,921 | 6,717 | 19,910 |
| Italy | 1,032,311 | 811,149 | 422,214 | 556,003 | 878,163 |
| Netherlands | 2,041,019 | 1,812,705 | 673,540 | 1,030,539 | 1,146,445 |
| Norway | 0 | 0 | 0 | 0 | 0 |
| Poland | 7,215 | 155,354 | 209,655 | 80,601 | 0 |
| Portugal | 12,600 | 0 | 0 | 0 | 22,997 |
| Romania | 56,575 | 0 | 0 | 24,234 | 26,249 |
| Soviet Union | 0 | 0 | 0 | 0 | 0 |
| Spain | 62,397 | 77,669 | 13,894 | 125,714 | 117,010 |
| Switzerland | 499 | 55,526 | 29,125 | 0 | 0 |
| United Kingdom | 101,275 | 49,454 | 48,689 | 13,904 | 67,358 |
| Yugoslavia | 95,853 | 54,928 | 59,384 | 59,399 | 118,437 |
| Other | 135,014 | 257,210 | 140,816 | 113,337 | 118,124 |
| Total | 4,572,321 | 4,749,923 | 2,256,849 | 2,407,548 | 3,175,550 |
| **Middle East:** | 120,235 | 139,671 | 296,038 | 336,649 | 346,421 |
| **Africa:** | 38,743 | 30,589 | 21,634 | 121,612 | 385,900 |
| **Asia:** | | | | | |
| China: | | | | | |
| P.R.C. | 0 | 0 | 0 | 0 | 0 |
| Taiwan | 0 | 0 | 481 | 0 | 0 |
| India | 0 | 0 | 0 | 0 | 0 |
| Indonesia | 81,452 | 45,200 | 80,244 | 0 | 206,640 |
| Japan | 48,687 | 33,587 | 18 | 6,149 | 52,518 |
| Korea, Rep. of | 69,207 | 85,153 | 27,516 | 20,382 | 21,997 |
| Pakistan | 4,999 | 0 | 2,032 | 4,622 | 0 |
| Other | 128,515 | 61,364 | 376,330 | 170,446 | 199,659 |
| Total | 332,860 | 225,304 | 486,621 | 201,599 | 480,814 |
| **Australia & Oceania:** | 36,158 | 40,492 | 23,343 | 26,998 | 39,380 |
| **GRAND TOTAL** | 6,220,742 | 6,448,317 | 4,400,371 | 4,711,894 | 5,959,443 |
| **VALUE OF EXPORTS:** | | | | | |
| **Total (Mil. $)** | 1,411 | 1,527 | 997 | 870 | 1,229 |

Note: Figures computed from unrounded data. [1]Includes soybean flour and meal. [2]Preliminary. Source: Compiled from reports of the U.S. Department of Commerce, U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## U.S. EXPORTS: SOYBEAN OIL[1]

### Volume of Exports by Country of Destination (in Metric Tons) and Total Value

| Country or Region of Destination | 1982 | 1983 | 1984 | 1985 | 1986[2] |
|---|---|---|---|---|---|
| **North America:** | | | | | |
| Canada | 5,555 | 7,470 | 15,682 | 7,425 | 6,710 |
| Mexico | 106,792 | 684 | 88,314 | 37,580 | 38,332 |
| Other | 92,261 | 70,128 | 113,450 | 82,094 | 53,768 |
| Total | 204,608 | 78,282 | 217,446 | 127,099 | 98,810 |
| **South America:** | | | | | |
| Brazil | 6,006 | 0 | 35,697 | 9 | 0 |
| Colombia | 76,975 | 46,079 | 33,469 | 10,974 | 7,200 |
| Ecuador | 37,092 | 45,568 | 47,910 | 40,152 | 10,304 |
| Peru | 38,565 | 72,615 | 15,768 | 10,966 | 1,644 |
| Venezuela | 47,343 | 42,603 | 75,286 | 23,660 | 16,846 |
| Other | 3,852 | 3,058 | 1,587 | 2,872 | 2,154 |
| Total | 209,833 | 209,923 | 209,717 | 88,633 | 38,148 |
| **Europe and Russia:** | | | | | |
| Belgium & Luxembourg | 0 | 0 | 338 | 66 | 0 |
| Czechoslovakia | 0 | 0 | 0 | 0 | 0 |
| Denmark | 0 | 0 | 1 | 0 | 0 |
| France | 0 | 1 | 288 | 0 | 0 |
| Germany, Fed. Rep. of | 274 | 510 | 4 | 537 | 0 |
| Germany, Dem. R. | 0 | 0 | 0 | 0 | 0 |
| Greece | 0 | 0 | 22 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 0 | 0 |
| Italy | 25 | 7 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 0 | 56 | 0 |
| Norway | 0 | 2 | 0 | 0 | 0 |
| Poland | 12,311 | 10,251 | 8,304 | 4,139 | 4,230 |
| Portugal | 0 | 0 | 0 | 0 | 0 |
| Romania | 0 | 0 | 0 | 0 | 0 |
| Soviet Union | 0 | 0 | 0 | 39,500 | 0 |
| Spain | 0 | 3 | 1 | 1 | 0 |
| Switzerland | 2 | 0 | 0 | 0 | 2 |
| United Kingdom | 42 | 8 | 178 | 27 | 68 |
| Yugoslavia | 15,996 | 131,996 | 0 | 0 | 0 |
| Other | 16 | 125 | 59 | 16 | 15 |
| Total | 28,666 | 142,903 | 9,195 | 44,342 | 4,315 |
| **Middle East:** | 1,586 | 1,112 | 1,840 | 2,192 | 1,011 |
| **Africa:** | 59,371 | 76,525 | 78,675 | 118,130 | 68,018 |
| **Asia:** | | | | | |
| China: | | | | | |
| P.R.C. | 0 | 0 | 9,836 | 21 | 0 |
| Taiwan | 3,201 | 3,452 | 1,241 | 0 | 52 |
| India | 35,674 | 58,715 | 196,866 | 20,795 | 36,278 |
| Indonesia | 57 | 51 | 5,075 | 24 | 350 |
| Japan | 31,960 | 3,317 | 4,692 | 1,218 | 724 |
| Korea, Rep. of | 35 | 55 | 18 | 4 | 142 |
| Pakistan | 273,636 | 164,621 | 243,030 | 172,561 | 261,173 |
| Other | 54,885 | 43,747 | 28,990 | 10,644 | 30,430 |
| Total | 399,448 | 273,958 | 489,748 | 205,267 | 329,149 |
| **Australia & Oceania:** | 29,346 | 2,988 | 1,902 | 628 | 754 |
| **GRAND TOTAL** | 932,857 | 785,690 | 1,008,517 | 566,289 | 540,206 |
| **VALUE OF EXPORTS:** | | | | | |
| **Total (Mil. $)** | 486 | 424 | 757 | 432 | 253 |

Note: Figures computed from unrounded data. [1]Crude and refined oil combined as such, excluding partially hydrogenated soybean salad oil. Includes shipments under P.L. 480 as reported by census. [2]Preliminary. Source: Compiled from reports of the U.S. Department of Commerce, U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## U.S. EXPORTS: SOYBEAN OIL
### P.L. 480, Title I and III
### Volume (in Metric Tons) and Value (in $1,000) By Country of Destination

| | FY 1982 | | FY 1983 | | FY 1984 | | FY 1985 | | FY 1986 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Volume | Value | Volume | Value | Volume | Value | Volume | Value | Volume | Value |
| Bangladesh | 25,014 | 13,391 | 23,911 | 10,881 | 14,348 | 8,999 | 14,300 | 10,000 | 25,000 | 10,000 |
| Costa Rica | 1,000 | 513 | — | — | — | — | — | — | — | — |
| Dominican Rep. | 5,504 | 2,380 | 10,575 | 4,339 | — | — | 27,500 | 18,300 | 17,500 | 5,800 |
| El Salvador | — | — | 100 | 63 | 12,874 | 9,071 | — | — | 25,600 | 11,500 |
| Guatemala | — | — | — | — | 1,408 | 1,222 | 6,600 | 5,800 | 12,600 | 5,000 |
| Guinea | — | — | — | — | — | — | — | — | — | — |
| Guyana | — | — | — | — | — | — | — | — | — | — |
| Haiti | 6,817 | 2,941 | 6,546 | 3,985 | 4,009 | 2,999 | 4,000 | 3,000 | 12,100 | 5,000 |
| Jamaica | 1,030 | 599 | 2,671 | 1,486 | 1,800 | 1,599 | 6,200 | 4,500 | — | — |
| Madagascar | — | — | 1,449 | 1,000 | 1,102 | 1,000 | — | — | 7,000 | 4,000 |
| Maldives | — | — | — | — | — | — | 6,000 | 5,000 | — | — |
| Pakistan | 109,878 | 49,989 | 91,652 | 49,567 | 60,973 | 49,995 | 84,300 | 59,400 | 126,400 | 50,000 |
| Peru | — | — | 7,122 | 5,000 | — | — | 13,600 | 8,000 | — | — |
| Somalia | 6,239 | 4,099 | 9,446 | 5,400 | 5,816 | 5,499 | 8,500 | 8,000 | 13,900 | 7,700 |
| Tunisia | — | — | 6,148 | 2,885 | — | — | — | — | — | — |
| Zambia | 4,078 | 1,899 | 5,874 | 2,398 | 8,536 | 5,491 | 8,800 | 5,000 | 12,900 | 5,000 |
| | 159,560 | $75,911 | 165,494 | $87,004 | 110,866 | $85,875 | 174,900 | $122,100 | 253,000 | $104,000 |

Source: U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## U.S. EDIBLE FATS AND OILS: SUPPLY AND DISAPPEARANCE

### 1979 - 1986 (Million Pounds)

| | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985[1] | 1986[2] |
|---|---|---|---|---|---|---|---|---|
| **Stocks October 1** | | | | | | | | |
| Coconut | 157 | 152 | 204 | 160 | 145 | 110 | 77 | 306 |
| Corn | 70 | 66 | 76 | 53 | 89 | 71 | 75 | 90 |
| Cottonseed | 86 | 122 | 80 | 104 | 90 | 50 | 107 | 90 |
| Lard | 44 | 44 | 36 | 24 | 40 | 33 | 42 | 35 |
| Palm | 74 | 42 | 58 | 47 | 69 | 51 | 53 | 73 |
| Peanut[3] | 47 | 37 | 16 | 58 | 32 | 33 | 18 | 60 |
| Soybean | 776 | 1,210 | 1,736 | 1,103 | 1,261 | 721 | 632 | 940 |
| Sunflower | 161 | 90 | 26 | 95 | 95 | 13 | 66 | 64 |
| Tallow, edible | 49 | 46 | 36 | 47 | 49 | 40 | 62 | 40 |
| **Imports** | | | | | | | | |
| Coconut | 810 | 1,122 | 960 | 882 | 916 | 891 | 1,217 | 1,050 |
| Palm | 212 | 324 | 218 | 282 | 413 | 373 | 611 | 770 |
| **Production** | | | | | | | | |
| Corn | 791 | 864 | 872 | 983 | 1,053 | 1,195 | 1,241 | 1,295 |
| Cottonseed | 1,423 | 1,191 | 1,551 | 1,134 | 777 | 1,174 | 1,070 | 800 |
| Lard | 1,220 | 1,159 | 1,057 | 962 | 959 | 950 | 900 | 875 |
| Peanut | 192 | 139 | 175 | 107 | 120 | 187 | 258 | 90 |
| Soybean | 12,105 | 11,270 | 10,979 | 12,040 | 10,872 | 11,468 | 11,620 | 11,880 |
| Sunflower | 494 | 655 | 302 | 668 | 449 | 483 | 595 | 443 |
| Tallow, edible | 982 | 1,122 | 1,101 | 1,206 | 1,347 | 1,559 | 1,625 | 1,675 |
| **Exports** | | | | | | | | |
| Coconut | 30 | 38 | 29 | 21 | 50 | 20 | 22 | 22 |
| Corn | 141 | 181 | 206 | 224 | 311 | 260 | 340 | 385 |
| Cottonseed | 727 | 710 | 848 | 546 | 303 | 433 | 442 | 350 |
| Lard | 94 | 144 | 114 | 95 | 78 | 99 | 108 | 95 |
| Palm | 21 | 9 | 10 | 4 | 29 | 0 | 0 | 0 |
| Peanut | 20 | 55 | 33 | 5 | 7 | 29 | 93 | 20 |
| Soybean | 2,690 | 1,631 | 2,077 | 2,025 | 1,823 | 1,660 | 1,258 | 1,200 |
| Sunflower | 190 | 664 | 224 | 505 | 414 | 287 | 452 | 276 |
| Tallow, edible | 68 | 137 | 94 | 95 | 59 | 40 | 44 | 40 |
| **Domestic disappearance** | | | | | | | | |
| Coconut | 785 | 1,032 | 976 | 876 | 901 | 904 | 966 | 1,100 |
| Corn | 654 | 673 | 688 | 723 | 762 | 930 | 887 | 920 |
| Cottonseed | 660 | 523 | 680 | 604 | 532 | 684 | 645 | 490 |
| Lard | 1,126 | 1,023 | 955 | 851 | 891 | 840 | 800 | 785 |
| Palm | 223 | 299 | 218 | 256 | 402 | 370 | 590 | 780 |
| Peanut | 191 | 112 | 115 | 132 | 172 | 172 | 123 | 115 |
| Soybean | 8,981 | 9,114 | 9,536 | 9,857 | 9,589 | 9,917 | 10,062 | 10,300 |
| Sunflower | 159 | 64 | 139 | 95 | 117 | 143 | 146 | 154 |
| Tallow, edible | 917 | 995 | 996 | 1,110 | 1,308 | 1,486 | 1,601 | 1,635 |

[1] Estimate. [2] Forecast. [3] August-July year beginning 1981. Source: Bureau of Census.

## U.S. EXPORTS
## SOYBEAN, COTTONSEED AND SUNFLOWERSEED OILS

**U.S. Commercial and P.L. 480 Exports**
**Volume of Exports by Country of Destination and Total Value**
**(Year Beginning in October)**

| Country or Region of Destination | 1980-81 | 1981-82 | 1982-83 | 1983-84 | 1984-85 | 1985-86 |
|---|---|---|---|---|---|---|
| | | | (Thousand Metric Tons) | | | |
| **North America:** | | | | | | |
| Canada | 10 | 11 | 16 | 20 | 24 | 15 |
| Mexico | 28 | 91 | 106 | 93 | 92 | 190 |
| Total | 38 | 102 | 122 | 113 | 116 | 205 |
| **Caribbean:** | | | | | | |
| Haiti | 22 | 9 | 20 | 13 | 17 | 9 |
| Dominican Republic | 58 | 56 | 46 | 43 | 53 | 18 |
| Other | 17 | 14 | 16 | 15 | 15 | 5 |
| Total | 97 | 79 | 82 | 71 | 85 | 32 |
| **Central America:** | | | | | | |
| Guatemala | 5 | 13 | 22 | 10 | 28 | 21 |
| El Salvador | 14 | 17 | 20 | 20 | 19 | 32 |
| Panama | 16 | 22 | 16 | 16 | 9 | 3 |
| Other | 10 | 21 | 11 | 10 | 10 | 7 |
| Total | 45 | 73 | 69 | 56 | 66 | 63 |
| **South America:** | | | | | | |
| Colombia | 60 | 78 | 70 | 25 | 22 | 9 |
| Venezuela | 252 | 165 | 164 | 156 | 175 | 115 |
| Ecuador | 39 | 36 | 50 | 41 | 45 | 31 |
| Peru | 41 | 47 | 70 | 25 | 12 | 9 |
| Others | 27 | 12 | 4 | 3 | 35 | 2 |
| Total | 419 | 338 | 358 | 250 | 289 | 166 |
| **European Community:** | 77 | 17 | 38 | 28 | 18 | 18 |
| **Other Western Europe:** | 6 | — | — | — | — | 4 |
| **East Europe & Russia:** | | | | | | |
| Poland | 15 | 10 | 9 | 10 | 6 | 3 |
| Soviet Union | 2 | 41 | 0 | 0 | 8 | 0 |
| Yugoslavia | 27 | 16 | 132 | 0 | — | 9 |
| Total | 44 | 68 | 141 | 10 | 14 | 12 |
| **Middle East:** | 6 | 3 | 2 | 9 | 10 | 19 |
| **North Africa:** | | | | | | |
| Morocco | 5 | 10 | 9 | 2 | 4 | 4 |
| Algeria | 80 | 5 | 24 | 9 | — | — |
| Tunisia | 2 | — | 6 | 0 | 0 | 0 |
| Egypt | 122 | 166 | 82 | 90 | 65 | 43 |
| Total | 209 | 181 | 121 | 102 | 69 | 47 |
| **Other Africa:** | 47 | 53 | 64 | 67 | 110 | 60 |

Continued on next page...

## U.S. EXPORTS
## SOYBEAN, COTTONSEED AND SUNFLOWERSEED OILS
## (continued)

U.S. Commercial and P.L. 480 Exports
Volume of Exports by Country of Destination and Total Value
(Year Beginning in October)

| Country or Region of Destination | 1980-81 | 1981-82 | 1982-83 | 1983-84 | 1984-85 | 1985-86 |
|---|---|---|---|---|---|---|
| | | | (Thousand Metric Tons) | | | |
| **South Asia:** | | | | | | |
| India | 89 | 68 | 55 | 169 | 62 | 38 |
| Pakistan | 126 | 261 | 237 | 200 | 168 | 275 |
| Bangladesh | 25 | 34 | 24 | 15 | 14 | 14 |
| Other | 1 | 1 | 1 | 1 | 1 | 5 |
| Total | 241 | 364 | 316 | 385 | 245 | 328 |
| **Other Asia:** | | | | | | |
| Thailand | 7 | 3 | 4 | 6 | 9 | 4 |
| Singapore | 6 | 2 | — | 3 | — | — |
| Philippines | 5 | 3 | 7 | 3 | 3 | 3 |
| China, P.R.C. | 26 | — | 0 | — | — | — |
| Korea | 3 | 3 | 3 | 3 | 3 | 4 |
| Japan | 56 | 96 | 50 | 37 | 35 | 35 |
| Other | — | 4 | 7 | 2 | 5 | — |
| Total | 103 | 111 | 71 | 54 | 55 | 46 |
| **Australia & Oceania:** | 31 | 40 | 9 | 2 | 2 | 1 |
| **GRAND TOTAL** | 1,363 | 1,429 | 1,395 | 1,148 | 1,079 | 976 |
| **Total Soybean Oil Exports** | 740 | 942 | 918 | 823 | 753 | 570 |
| P.L. 480 Title I | 135 | 160 | 165 | 111 | 175 | 253 |
| P.L. 480 Title II | 138 | 88 | 121 | 142 | 124 | 102 |
| Commercial, including CCC programs | 467 | 694 | 632 | 570 | 454 | 215 |
| **Value of Soybean Oil Exports** | | | | | | |
| Total (Thousand $) | 457,151 | 498,074 | 461,677 | 617,286 | 558,195 | 291,755 |
| Per Pound (cents) | 28 | 24 | 23 | 34 | 34 | 23 |
| **Total Cottonseed Oil Exports** | 322 | 384 | 247 | 137 | 196 | 201 |
| P.L. 480 Title I | 4 | 21 | 16 | 3 | 23 | 47 |
| **Value of Cottonseed Oil Exports** | | | | | | |
| Total (Thousand $) | 204,855 | 211,019 | 130,796 | 97,048 | 137,517 | 108,327 |
| Per Pound (cents) | 29 | 25 | 24 | 32 | 32 | 24 |
| **Total Sunflowerseed Oil Exports** | 301 | 103 | 229 | 188 | 130 | 205 |
| P.L. 480 Title I | | | 9 | | 6 | 7 |
| **Value of Sunflowerseed Oil Exports** | | | | | | |
| Total (Thousand $) | 188,871 | 58,727 | 116,316 | 127,340 | 89,038 | 109,551 |
| Per Pound (cents) | 28 | 26 | 23 | 31 | 31 | 24 |

Note: Figures do not total due to rounding. (—) denotes less than 500 metric tons. All figures rounded to nearest 1,000 metric tons. Source: U.S. Bureau of Census. U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## U.S. EXPORTS
## SOYBEAN and COTTONSEED OILS
### U.S. Commercial and P.L. 480 Exports
### 1950 - 1985 (Million Pounds)

| Year Beginning October | Commercial | | | | P.L. 480 | | | GRAND TOTAL | % P.L.480 |
|---|---|---|---|---|---|---|---|---|---|
| | Barter | CCC Credit | Other[1] | Total | Title I[2] | Title II[2] | Total | | |
| | | | | SOYBEAN OIL | | | | | |
| 1950 | — | — | 490 | 490 | — | — | — | 490 | — |
| 1955 | — | — | 274 | 274 | 282 | — | 282 | 556 | 51 |
| 1960 | — | — | 283 | 283 | 417 | 21 | 438 | 721 | 61 |
| 1965 | 176 | 21 | 182 | 379 | 324 | 220 | 544 | 923 | 59 |
| 1970 | 599 | 209 | 131 | 939 | 564 | 239 | 803 | 1,742 | 46 |
| 1975 | — | — | 779 | 779 | 182 | 15 | 197 | 976 | 20 |
| 1976 | — | 159 | 1,025 | 1,184 | 278 | 86 | 364 | 1,548 | 24 |
| 1977 | — | 154 | 1,531 | 1,685 | 368 | 4 | 372 | 2,057 | 18 |
| 1978 | — | 417 | 1,591 | 2,009 | 112 | 214 | 326 | 2,334 | 14 |
| 1979 | — | 214 | 1,996 | 2,210 | 240 | 240 | 480 | 2,690 | 18 |
| 1980 | — | 185 | 850 | 1,035 | 299 | 297 | 596 | 1,631 | 37 |
| 1981 | — | 355 | 1,176 | 1,531 | 352 | 194 | 546 | 2,077 | 26 |
| 1982 | — | 747 | 675 | 1,442 | 365 | 238 | 603 | 2,025 | 30 |
| 1983 | — | 214 | 1,043 | 1,257 | 244 | 313 | 557 | 1,814 | 31 |
| 1984 | — | 288 | 714 | 1,002 | 385 | 273 | 658 | 1,660 | 23 |
| 1985 | — | 231 | 546 | 777 | 253 | 227 | 480 | 1,257 | 38 |
| | | | | COTTONSEED OIL | | | | | |
| 1950 | — | — | 57 | 57 | — | — | — | 57 | — |
| 1955 | 3 | — | 306 | 309 | 290 | 6 | 296 | 605 | 49 |
| 1960 | — | — | 287 | 287 | 68 | 14 | 82 | 369 | 22 |
| 1965 | 51 | — | 154 | 205 | 65 | 2 | 67 | 272 | 25 |
| 1970 | 186 | 22 | 153 | 361 | 9 | 1 | 10 | 371 | 3 |
| 1975 | — | — | 507 | 507 | — | — | — | 507 | — |
| 1976 | — | — | 690 | 690 | — | — | — | 690 | — |
| 1977 | — | — | 758 | 758 | — | — | — | 758 | — |
| 1978 | — | — | 650 | 650 | 11 | — | 11 | 661 | 2 |
| 1979 | — | — | 702 | 702 | 26 | — | 26 | 728 | 4 |
| 1980 | — | — | 702 | 702 | 8 | — | 8 | 710 | 1 |
| 1981 | — | — | 800 | 800 | 47 | — | 47 | 847 | 6 |
| 1982 | — | — | 511 | 511 | 35 | — | 35 | 546 | 6 |
| 1983 | — | — | 296 | 296 | 7 | — | 7 | 303 | 2 |
| 1984 | — | — | 382 | 382 | 50 | — | 50 | 432 | 11 |
| 1985 | — | — | 395 | 395 | 47 | — | 47 | 442 | 11 |

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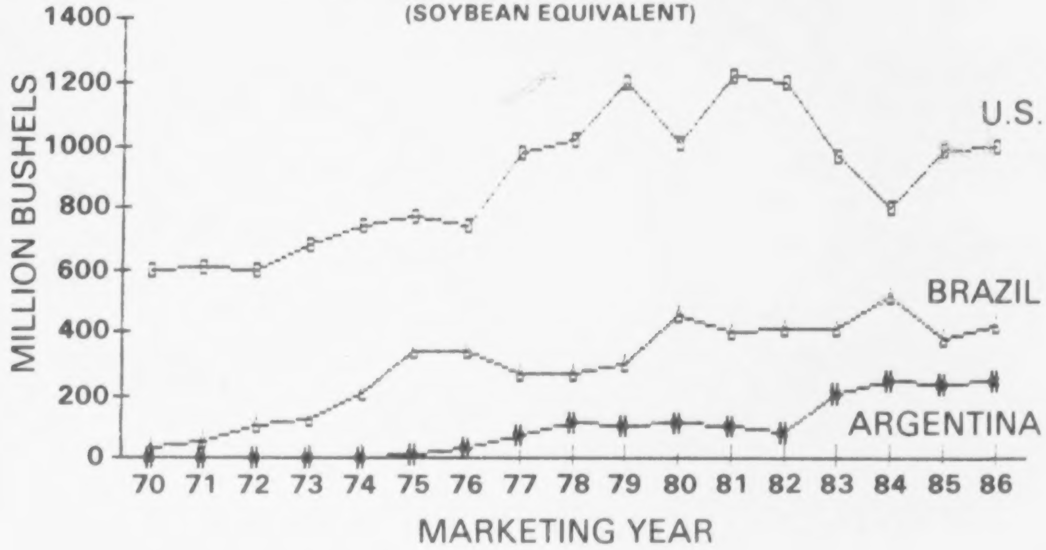
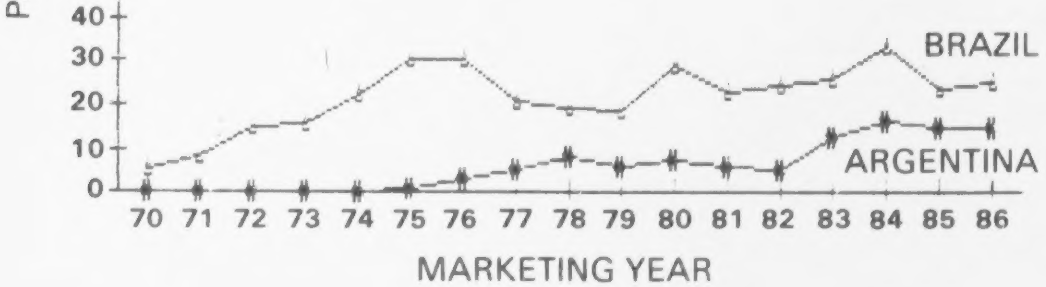
[1] Includes dollar financing by AID. [2] Includes all sales programs, i.e., foreign currencies, relief agencies and disaster and other relief by AID. Source: Total exports as reported by Bureau of Census. Breakdown between dollars and P.L. 480 from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

## SOYBEAN & PRODUCT EXPORTS BY MAJOR COUNTRIES

(SOYBEAN EQUIVALENT)



## WORLD SHARE OF SOYBEAN & PRODUCT EXPORTS



# glossary

## GENERAL TERMS

**Soybean(s)** — A legume, the botanical name of which is Glycine max (L.) Merrill; a summer annual varying in height from less than a foot to more than 6 feet and in habit of growth from stiffly erect to prostrate; the cultivated plant may reach a height of 3 feet or more. The seeds (soybeans) are borne in pods that grow in clusters of three to five with each pod usually containing two or three or more seeds. The oil content of the soybean varies from 13% to 26% (average 18% to 22%) and from 38% to 45% protein (on a moisture-free basis). Soybeans were grown for centuries in the Orient and first introduced to the United States early in the 19th century. Soybeans grow best in areas having hot, damp summer weather but they can be grown under a great variety of climatic conditions. The term "soybean" has been accepted as standard in the United States in preference to "soya bean," "soy bean," soya-bean," or "soja bean." It is incorrect to use the term "beans" when referring to soybeans.

**Soybean Processor** — An individual, or a group of two or more individuals working together as a company or firm, whose primary business is the separation of the oil and meal in soybeans. The activities of a processor may also include refining and/or distribution of the oil as well as distribution of the soybean meal or soy protein.

**Soybean Extraction/Processing** — The procedures involved in the separation of the oil and the protein meal; also called "crushers" or oil mill operations. There are two types of processes presently used in the United States for this purpose:

(1) **Solvent Extraction** — The process whereby the oil is leached or washed (extracted) from flaked soybeans by the use of commercial hexane as the solvent. The level of oil in the extracted flakes can be reduced to 1% or less by this processing method. The products resulting from the use of this process are designated in the trade as "solvent extracted," e.g. "solvent extracted soybean meal," "dehulled solvent extracted soybean meal," "solvent extracted soy grits," "solvent extracted soy flour." Practically all soybeans processed in the United States are processed by the solvent extraction system.

(2) **Continuous Pressing** — A continuous pressing process, at elevated temperatures, using expellers or screw presses which utilize a worm shaft continuously rotating within a pressing cylinder or cage to express the oil from soybeans after they have been ground and properly conditioned. The oil content of the resulting press cake is reduced to from 4% to 6% by this processing method. Although technically incorrect, the products resulting from this type of processing are often referred to as "expeller," e.g. "expeller soybean meal." (The term "Expeller" applies specifically to the screw press manufactured by Anderson IBEC of Strongsville, Ohio, whereas the screw press manufactured by the French Oil Mill Machinery Co. of Piqua, Ohio, is designated as a "mechanical screw press."

A third type of processing, called **Batch Pressing,** is not used at present in the United States to any appreciable extent but is used in some parts of the world for recovering the oil from soybeans and other oil-bearing materials. It is the oldest process known to the vegetable oil processing industry. It consists of an intermittent pressing operation carried out at elevated temperatures in a mechanical or hydraulic press after the soybeans have been rolled into flakes and properly conditioned by heat treatment.

**Crude Soy Oil** — Sometimes referred to as crude raw soybean oil; the unrefined oil produced by any one of the procedures described above for the extraction of oil from soybeans. It is customary to filter the oil and/or allow it to settle after being processed from the soybeans as required by the standard trade specifications.

— A mixture of triglycerides composed of unsaturated fatty acids (oleic, linoleic, linolenic) and saturated fatty acids, together with usually not more than 1.5% of free fatty acids and from 1.8% to 3.2% of phospholipids, depending on the quality and kind of soybeans and the procedure used in processing.

## glossary

**Edible Crude Soy Oil** — Soy oil which shall be of any of the following designated types produced from mature yellow soybeans: (1) expeller pressed, (2) expeller pressed degummed, (3) hydraulic pressed, (4) hydraulic pressed degummed, (5) solvent extracted, (6) solvent extracted degummed and (7) mixtures of any of the above-described types. When the oil is produced by solvent extraction, the name of the solvent used in the process must be given.

**Degummed Soy Oil** — Sometimes referred to as crude degummed soy oil; the product resulting from washing crude soy oil with water and/or steam or another degumming agent for a specified period of time and then separating the oil-and-water mixture, usually by centrifugation, to remove the phosphatides. It shall not contain more than 0.02% of phosphorus without a discount penalty.

**Once Refined Soy Oil** — Oil produced from crude soy oil which has been subjected only to the dilute alkali solution (refining) treatment or a comparable chemical treatment.

**Fully Refined Soy Oil** — The edible oil produced from crude or degummed soy oil which has been treated with dilute alkali solution (caustic refining) or neutralization, treated with adsorbent clay materials (bleaching) and subjected to steam distillation at high temperatures under vacuum (deodorizing). Such oil may also be produced by a process called physical (steam) refining which consists of degumming, bleaching and neutralization by final step of deodorizing.

**Edible Refined Soy Oil** — Crude or degummed soy oil which has been subjected to special refining processes to adapt it specifically for use in food products. In addition to treatment with alkali, bleaching, partial hydrogenation and deodorization, the oils may be also winterized. These oils are further classified as salad oils, cooking oils or shortenings.

**Hydrogenated Soy Oil** — During the process of hydrogenation, the soy oil is exposed to hydrogen gas in the presence of heat and a catalyst (nickel, copper chromite) and the hydrogen combines with certain of the chemical components (unsaturated fatty acids) of the triglycerides with a resultant increase in the melting point of the oil; sometimes referred to as "hardening."

**Cold Pressed Soy Oil** — Soy oil produced from undamaged, mature, cleaned yellow soybeans by mechanical processing without application of heat, and then filtered. Such oil is usually sold in health food stores.

**Winterized Oil** — Oil which has been treated in a manner to partially remove the saturated glycerides which have relatively high melting points and are soluble only to a limited extent in the unsaturated glycerides. The process consists of chilling the oil slowly and then maintaining it at 5 degrees C (41 degrees F) for a specified period of time and removing the crystallized glycerides from the liquid fraction of the oil by the use of filter presses. Soy oil does not require winterizing unless it has been partially hydrogenated to increase stability.

**Technical Grade Refined Soy Oil** — Includes a wide variety of soy oils that are specially refined and further processed to meet requirements and/or specifications for a definite industrial use.

**Soybean Fatty Acids** — The product obtained when glycerine is split off from the triglycerides in soy oil by any method of hydrolysis. In the field of industrial usage, soybean fatty acids are usually further classified according to the treatment to which they are subjected subsequent to hydrolysis.

**Soybean Soapstock** — The byproduct that results from the alkali refining of soy oil; averages about 6% of the volume of crude oil refined. It is sometimes referred to as "foots" since it accumulates at the bottom (foot) of the refining tank. Contract grade should contain not less than 30% total fatty acid.

**Acidulated Soybean Soapstock** — The product that results from the complete acidulation of soybean soapstock. Contract grade should contain not less than 85% total fatty acid.

**Soybean Lecithin** — The mixed phospholipids product obtained from soy oil by the degumming process, contains lecithin, cephalin and inositol phosphatides, together with glycerides of soy oil and traces of tocopherols, glucosides and pigments. It is designated and sold according to conventional descriptive grades with respect to consistency and bleaching. The dehydrated emulsion of mixed phosphatides and soy oil is further processed to produce the commercial grades which may be described as follows: plastic or firm consistency; soft consistency; fluid; unbleached; bleached; and double bleached. High-quality commercial lecithin contains 60% to 65% phosphatides.

**Break Material** — Flocculent material (precipitate) that appears in and can be separated from crude soy oil that has been rapidly heated to temperatures between 250 degrees C and 300 degrees C (482 degrees F and 572 degrees F). It is very high in ash content, rich in phosphorus, calcium and magnesium. It is presumed to be derived from phospholipids which are thermally decomposed at these high temperatures. Break material is sometimes referred to as "foots."

**Sludge** — The solid residue which settles to the bottom of the tank or car in which crude soy oil is stored or shipped. It cannot be pumped out or removed by rubber-faced scrapers from the surface to which it adheres; steam must be applied to facilitate its removal. It is sometimes referred to as "tank bottoms" or "foots."

## SOY PROTEIN TERMS

**Protein** — A naturally occurring combination of amino acids, containing carbon, hydrogen, oxygen, nitrogen and usually sulphur. Protein is one of the essential constituents of all living things and of the diet of animal organisms.

**Amino Acids** — Chief components and determinants of the characteristics of a protein; the building blocks of living tissues. Eighteen different amino acids commonly occur in our food supply and eight are considered essential because the body cannot make them.

**Soy Grits and/or Flour** — The ground, screened, graded product obtained after extracting most of the oil from selected, sound, clean, dehulled soybeans. They are produced from grinding the defatted soy flakes. Grits are coarser ground than soy flour. Protein range is 40% to 60%.

**Defatted Soy Flour** — Flour produced by the nearly complete removal of the oil from soybeans by the use of hexane or other homologous hydrocarbon solvents; usually contains about 1% of fat.

**Low-fat Soy Flour** — Flour produced either by partial removal of the oil from soybeans or by adding back soy oil and/or lecithin to defatted soy oil to a specified level, usually in the range of 5% to 6%.

**High-fat Soy Flour** — Flour produced by adding back soy oil and/or lecithin to defatted soy flour to a specified level, usually in the range of 15%.

**Full-fat Soy Flour** — Flour containing all of the oil originally present in the raw soybeans; usually 18 to 20%.

**Lecithinated Soy Flour** — A type of low-fat or high-fat soy flour in which lecithin is added to defatted soy flour to a specified level, usually in a range up to 15%.

**Soy Protein Concentrate** — Produced from defatted soybean flakes or flour by a process which immobilizes the protein and removes soluble sugars, mineral, etc. Concentrate has a protein content of 70%.

**Isolated Soy Protein** — Protein which has been greatly concentrated from its native location by chemical or mechanical means. It is produced by extracting white flakes or flour with water or a mild alkali. Isolate generally has a protein content of 90%.

**Textured Vegetable Protein** — Soy or other vegetable protein that has texture imparted by spinning a fiber and combining the fiber in layers to achieve the desired texture, or by a thermo-plastic extrusion process.

**Meat Analogs** — Material usually prepared from vegetable protein to resemble specific meats in texture, color and flavor.

**Meat Extenders** — Use of soy or other vegetable proteins as partial substitutes for meat in processed items such as patties, chili, casseroles, etc.

**Toasting** — The term commonly but erroneously applied to the processes (moist) of cooking soybean meal, flour or grits by atmospheric or pressure methods for the purpose of increasing the protein efficiency of these soy products or improving their functional properties and/or improving physical texture.

# standards & specifications

## NATIONAL SOYBEAN PROCESSORS ASSOCIATION (NSPA)

The following sections are reprinted from NSPA's **Yearbook and Trading Rules**.[1]

### Section 2. STANDARD DEFINITIONS

A. **Soybean Cake** or **Soybean Chips** is the product after the extraction of part of the oil by pressure or solvents from soybeans. A name descriptive of the process of manufacture, such as expeller, hydraulic, or solvent extracted shall be used in the brand name. It shall be designated and sold according to its protein content.

B. **Soybean Meal** is ground soybean cake, ground soybean chips, or ground soybean flakes. A name descriptive of the process of manufacture, such as expeller, hydraulic, or solvent extracted shall be used in the brand name. It shall be designated and sold according to its protein content.

C. (1) **Soybean Mill Feed** is the by-product resulting from the manufacture of soybean flour or grits and is composed of soybean hulls and the offal from the tail of the mill. A typical analysis is 13% crude protein and 32% crude fiber, and 13% moisture.

C. (2) **Soybean Mill Run** is the product resulting from the manufacture of dehulled soybean meal and is composed of soybean hulls and such bean meats that adhere to the hull in normal milling operations. A typical analysis is 11% crude protein and 35% crude fiber, and 13% moisture.

C. (3) **Soybean Hulls** is the product consisting primarily of the outer covering of the soybean. A typical analysis is 13% moisture.

D. **Solvent Extracted Soybean Flakes** is the product obtained after extracting part of the oil from soybeans by the use of hexane or homologous hydrocarbon solvents. It shall be designated and sold according to its protein content.

### Section 3. STANDARD SPECIFICATIONS

A. **Soybean Flakes and 44% Protein Soybean Meal** are produced by cracking, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents. The extracted flakes are cooked and marketed as such or ground into meal. Standard specifications are as follows:

| | |
|---|---|
| Protein | Minimum 44.0% |
| Fat | Minimum 0.5% |
| Fiber | Maximum 7.0% |
| Moisture | Maximum 12.0% |

B. **Dehulled Soybean Flakes** and **High Protein** or **Dehulled Solvent Extracted Soybean Meal** are produced by cracking, heating, and flaking dehulled soybeans and reducing the oil content of the conditioned flakes by the use of hexane or homologous hydrocarbon solvents. The extracted flakes are cooked and marketed as such or ground into meal. Standard specifications are as follows:

| | |
|---|---|
| Protein | Minimum 47.5%-49.0%* |
| Fat | Minimum 0.5% |
| Fiber | Maximum 3.3%-3.5%* |
| Moisture | Maximum 12.0% |

(*As determined by Buyer and Seller at time of sale)

C. Any of the above meal products (listed in Section 3 above) may contain a non-nutritive inert, non-toxic conditioning agent to reduce caking and improve flowability, in an amount not to exceed that necessary to accomplish its intended effect and in no case to exceed 0.5% or 10 lbs. per ton by weight of the total meal product. The name of the conditioning agent must be shown as an added ingredient.

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[1] **Yearbook and Trading Rules, 1986-1987** (Washington, DC; National Soybean Processors Association, 1986), pp. 27-28.

## ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS, INC. (AAFCO)

The following section is reprinted from the AAFCO **Official Publication 1987**.[1]

### 84. SOYBEAN PRODUCTS

### Official

84.1 **Ground Soybeans** is obtained by grinding whole soybeans without cooking or removing any of the oil. (Adopted 1933.)
IFN 5-04-596 Soybean seeds ground

84.2 **Ground Soybean Hay** is the ground soybean plant including the leaves and beans. It must be resonably free of other crop plants and weeds and must contain not more than 33% crude fiber. (Adopted 1944, Amended 1964.)
IFN 1-04-559 Soybean hay sun-cured ground

84.3 **Soybean Hulls** consist primarily of the outer covering of the soybean. (Adopted 1948.)
IFN 1-04-560 Soybean seed coats (hulls)

*84.4 **Soybean Feed, Solvent Extracted,** is the product remaining after the partial removal of protein and nitrogen free extract from dehulled solvent extracted soybean flakes. (Adopted 1948, Amended 1960, 1964).
IFN 5-04-613 Soybean seeds low protein low carbohydrates meal solvent extracted

84.8 **Soybean Mill Feed** is composed of soybean hulls and the offal from the tail of the mill which results from the manufacture of soy grits or flour. It must contain not less than 13% crude protein and not more than 32% crude fiber. (Proposed 1960, Adopted 1961, Amended 1964.)
IFN 4-04-594 Soybean flour by-product

84.9 **Soybean Mill Run** is composed of soybean hulls and such bean meats that adhere to the hulls which results from normal milling operations in the production of dehulled soybean meal. It must contain not less than 11% crude protein and not more than 35% crude fiber. (Proposed 1960, Adopted 1961, Amended 1964.)
IFN 4-04-595 Soybean mill run

84.10 **Soy Phosphate** or **Soy Lecithin** is the mixed phosphatide product obtained from soybean oil by a degumming process. It contains lecithin, cephalin, and inositol phosphatides, together with glycerides of soybean oil and traces of tocopherols, glucosides, and pigments. It must be designated and sold according to conventional descriptive grades with respect to consistency and bleaching. (Proposed 1958, Adopted 1961.)
IFN 4-04-562 Soybean lecithin

84.11 **Heat Processed Soybeans** (Dry Roasted Soybeans) is the product resulting from heating whole soybeans without removing any of the component parts. It may be ground, pelleted, flaked, or powdered. It must be sold according to its crude protein content. (Proposed 1960, Adopted 1964.)
IFN 5-04-597 Soybean seeds heat processed

84.12 **Soy Protein Concentrate** is prepared from high quality sound, clean, dehulled soybean seeds by removing most of the oil and water soluble non-protein constituents and must contain not less than 70% protein on a moisture-free basis. (Proposed 1965, Adopted 1968.)
IFN 5-08-038 Soybean protein concentrate more than 70% protein

84.13 **Kibbled Soybean Meal** is the product obtained by cooking ground solvent extracted soybean meal, under pressure and extruding from an expeller or other mechanical pressure device. It must be designated and sold according to its protein content and shall contain not more than 7% crude fiber. (Proposed 1969, Adopted 1971.)
IFN 5-09-343 Soybean seeds kibbled solvent extracted

84.14 **Condensed Soybean Solubles** is the product obtained by washing Soy Flour or Soybean Flakes with water and acid at a pH of 4.2-4.6. The wash water is then concentrated to a solid content of not less than 60%. (Proposed 1969, Adopted 1971.)
IFN 5-09-344 Soybean solubles condensed

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*The words "Solvent Extracted" are not required when listing as an ingredient in a manufactured feed.

84.15 **Ground Extruded Whole Soybeans** is the meal product resulting from extrusion by friction heat and/or steam, whole soybeans without removing any of the component parts. It must be sold according to its crude protein, fat, and fiber content. (Proposed 1974, Adopted 1975.)
IFN 5-14-005 Soybean seeds extruded ground

84.16 **Protein Modified** is a Soybean Product that has been processed to primarily modify the natural protein structure by utilizing acids, alkalies or other chemicals and without removing significant amounts of any nutrient constituent. The defined name under Section 84 of the applicable soybean product so modified shall be declared in the product name. (Proposed 1982, Adopted 1983.)
IFN 5-26-010 Soybean protein product chemically modified

84.5 **Soy Grits** is the granular material resulting from the screened and graded product after removal of most of the oil from selected, sound, clean and dehulled soybeans by a mechanical or solvent extraction process. It must contain not more than 4.0% crude fiber. (Proposed 1978, Adopted 1980.)
IFN 5-12-176 Soybean grits mechanical extracted
IFN 5-04-592 Soybean grits solvent extracted

84.7 **Soybean Meal, Dehulled, Solvent Extracted** is obtained by grinding the flakes remaining after removal of most of the oil from dehulled soybeans by a solvent extraction process. It must contain not more than 3.3% crude fiber. It may contain an inert non-toxic conditioning agent either nutritive or non-nutritive or any combination thereof, to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case to exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient. When listed as an ingredient in a manufactured feed, it may be identified as "dehulled Soybean Meal." (Proposed 1978, Adopted 1980.)
IFN 5-04-612 Soybean seeds without hulls meal solvent extracted

84.51 **Soy Flour** is the finely powdered material resulting from the screened and graded product after removal of most of the oil from selected, sound, cleaned and dehulled soybeans by a mechanical or solvent extraction process. It must contain not more than 4.0% crude fiber. (Proposed 1978, Adopted 1980.)
IFN 5-12-177 Soybean flour mechanical extracted
IFN 5-04-593 Soybean flour solvent extracted

84.60 **Soybean Meal, Mechanical Extracted,** is the product obtained by grinding the cake or chips which remain after removal of most of the oil from soybeans by a mechanical extraction process. It must contain not more than 7% crude fiber. It may contain an inert, non-toxic conditioning agent either nutritive or non-nutritive or any combination thereof, to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient. The words "Mechanical Extracted" are not required when listing as an ingredient in a manufactured feed. (Proposed 1978, Adopted 1980.)
IFN 5-04-600 Soybean seeds meal mechanical extracted

84.61 **Soybean Meal, Solvent Extracted,** is the product obtained by grinding the flakes which remain after removal of most of the oil from soybeans by a solvent extraction process. It must contain not more than 7% crude fiber. It may contain an inert non-toxic conditioning agent either nutritive or non-nutritive and any combination thereof, to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient. The words "Solvent Extracted" are not required when listing an an ingredient in a manufactured feed. (Proposed 1978, Adopted 1980.)
IFN 5-04-604 Soybean seeds meal solvent extracted

T84.14 **Soybean Solubles, Condensed,** is the product resulting from the washing of soy flour or soybean flakes with water and acid; water, alkali and acid; or water and alcohol. The wash water is then concentrated to a solids content of not less than 50%. (Proposed 1983.)
IFN 5-09-344 Soybean Solubles Condensed

T84.17 **Soybean Solubles, Dried,** is the product resulting from the washing of soy flour or soybean flakes with water and acid; water, alkali and acid, or water and alcohol. The wash water is then dried. (Proposed 1983.)
IFN 5-16-733 Soybean Solubles dehydrated

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[1]**Official Publication 1987,** Association of American Feed Control Officials Incorporated, pp. 173-175.

## UNITED STATES DEPARTMENT OF AGRICULTURE

The following sections are reprinted from the **Official United States Standards for Grain.***

## UNITED STATES STANDARDS FOR SOYBEANS[1]

Revised Effective May 1987

### Subpart A — General Provisions

#### Terms Defined

**§810.101 Grains for which standards are established.**
Grain refers to barley, corn, flaxseed, mixed grain, oats, rye, sorghum, soybeans, sunflower seed, triticale, and wheat. Standards for these food grains, feed grains, and oilseeds are established under the United States Grain Standards Act.

**§810.102 Definitions of other terms.**
Unless otherwise stated, the definitions in this section apply to all grains. All other definitions unique to a particular grain are contained in the appropriate subpart for that grain.

(a) **Distinctly low quality.** Grain that is obviously of inferior quality because it is in an unusual state or condition, and that cannot be graded properly by use of the other grading factors provided in the standards. Distinctly low quality includes the presence of any objects too large to enter the sampling devices; i.e., large stones, wreckage, or similar objects.

(b) **Moisture.** Water content in grain as determined, by an approved device, according to procedures prescribed in FGIS Instructions.

(c) **Stones.** Concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate in water.

(d) **Test weight per bushel.** The weight per Winchester bushel (2,150.42 cubic inches) as determined using an approved device according to procedures prescribed in FGIS Instructions. Test weight per bushel in the U.S. Standards for Corn, Mixed Grain, Oats, Sorghum, and Soybeans, is determined on the original sample. Test weight per bushel in the U.S. Standards for Barley, Flax seed, Rye, Sunflower Seed, Triticale, and Wheat is determined after mechanically cleaning the original sample. Test weight per bushel is recorded in whole and tenth pounds to the nearest tenth pound for wheat, rye, and triticale. Test weight per bushel for all other grains is recorded in whole and half pounds, with a fraction of a half pound disregarded.

(e) **Whole kernels.** Grain with 1/4 or less of the kernel removed.

#### Principles Governing the Application of Standards

**§810.103 Basis of determination.**

(a) **Distinctly low quality.** The determination of distinctly low quality is made on the basis of the lot as a whole at the time of sampling when a condition exists that may or may not appear in the representative sample and/or the sample as a whole.

(b) **Certain quality determinations.** Each determination of rodent pellets, bird droppings, other animal filth, broken glass, castor beans, cockleburs, crotalaria seeds, dockage, garlic, live insect infestation, large stones, moisture, temperature, an unknown foreign substance(s), and a commonly recognized harmful or toxic substance(s) is made on the basis of the sample as a whole. When a condition exists that may not apear in the representative sample, the determination may be made on the basis of the lot as a whole at the time of sampling according to procedures prescribed in FGIS Instructions.

(c) **All other determinations.** The basis of determination for all other factors is contained in the individual standards.

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[1] Compliance with the provisions of these standards does not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act, or other Federal laws.

## BRAZILIAN EXPORTS OF SOYBEANS AND PRODUCTS TO MAJOR COUNTRIES

(Thousand Metric Tons)

| | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Soybeans** | | | | | | | | | | |
| European Community | 1,436 | 933 | 365 | 376 | 574 | 185 | 18 | 416 | 656 | 2,262 |
| Other Western Europe | 571 | 625 | 200 | 155 | 770 | 530 | 27 | 536 | 529 | 709 |
| Eastern Europe[1] | 1,187 | 552 | 32 | 45 | 118 | 497 | 255 | 128 | 0 | 72 |
| Central & So. America | | 77 | 1 | 1 | 45 | 224 | 187 | 121 | 354 | 78 |
| Other | 445 | 400 | 61 | 61 | 42 | 14 | 14 | 94 | 22 | 371 |
| Total | 3,639 | 2,587 | 659 | 638 | 1,549 | 1,450 | 501 | 1,295 | 1,561 | 3,491 |
| **Soybean Meal** | | | | | | | | | | |
| European Community | 2,502 | 3,138 | 3,934 | 3,418 | 4,325 | 5,285 | 4,347 | 4,711 | 4,141 | 6,283 |
| Other Western Europe | 308 | 316 | 137 | 188 | 141 | 67 | 86 | 364 | 564 | 785 |
| Asia | | 478 | 475 | 530 | 754 | 911 | 891 | 777 | 455 | 290 |
| Eastern Europe[2] | 1,092 | 1,230 | 738 | 982 | 1,333 | 2,482 | 2,306 | 2,482 | 2,322 | 1,090 |
| Other | 471 | 192 | 135 | 53 | 29 | 144 | 170 | 162 | 116 | 152 |
| Total | 4,374 | 5,354 | 5,419 | 5,171 | 6,582 | 8,889 | 7,800 | 8,496 | 7,598 | 8,600 |
| **Soybean Oil** | | | | | | | | | | |
| Bangladesh | 6 | 10 | 7 | 0 | 12 | 7 | 0 | 0 | 3 | 3 |
| Chile | — | 20 | 10 | 16 | 10 | 18 | 18 | 54 | 70 | 66 |
| Colombia | — | 15 | 5 | 0 | 0 | 39 | 11 | 22 | 3 | 0 |
| India | | 181 | 183 | 240 | 250 | 561 | 320 | 468 | 397 | 311 |
| Iran | 186 | 115 | 105 | 68 | 218 | 228 | 257 | 248 | 188 | 200 |
| Morocco | 26 | 27 | 3 | 6 | 0 | 12 | 36 | 19 | 10 | 16 |
| Netherlands | — | 11 | 11 | 19 | 35 | 55 | 10 | 64 | 27 | 31 |
| Pakistan | 0 | 0 | 85 | 93 | 61 | 53 | 32 | 37 | 50 | 0 |
| People's Rep. of China | 6 | 73 | 53 | 46 | 21 | 24 | 25 | 0 | 0 | 0 |
| Peru | 26 | 7 | 0 | —[3] | 4 | 21 | 9 | 0 | 2 | —[3] |
| Tunisia | 0 | 0 | 0 | 5 | 3 | —[3] | 0 | 0 | 4 | 8 |
| Turkey | 8 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 8 |
| USSR | | 1 | 0 | 17 | 32 | 75 | 74 | 54 | 73 | 153 |
| Other | 240 | 42 | 42 | 24 | 98 | 188 | 54 | 99 | 101 | 158 |
| Total | 498 | 502 | 504 | 534 | 744 | 1,281 | 849 | 1,071 | 928 | 954 |

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[1] Includes soybean exports to the Soviet Union. [2] Includes soybean meal exports to the Soviet Union. [3] Less than 500MT. Source: U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

### §810.104 Percentages.

(a) **Rounding.** Percentages are determined on the basis of weight and are rounded as follows:

1. When the figure to be rounded is followed by a figure greater than or equal to 5, round to the next higher figure; e.g., report 6.36 as 6.4, 0.35 as 0.4, and 2.45 as 2.5.

2. When the figure to be rounded is followed by a figure less than 5, retain the figure; e.g., report 8.34 as 8.3, and 1.22 as 1.2.

(b) **Recording.** The percentage of dockage in barley, flaxseed, rye, and sorghum is reported in whole percent with a fraction of a percent being disregarded. Dockage in triticale is reported in whole and half percent with a fraction less than one-half percent being disregarded. Dockage in wheat is reported in whole and tenth percent to the nearest tenth percent. Foreign material in sunflower seed is reported to the nearest one-half percent. Ranges of sunflower seed foreign material are reported as follows: 0.0 to 0.25 is reported as 0.0 percent, 0.26 to 0.75 as 0.5 percent, 0.76 to 1.25 as 1.0 percent, and the like. Foreign material and fines in mixed grain are reported to the nearest whole percent. The percentage of ergot is reported to the nearest hundredth percent.

The percentage when determining the identity of all grains is reported to the nearest whole percent. Also reported to the nearest whole percent are the classes and subclasses in wheat, flint and dent corn, classes and subclasses in barley, splits in soybeans, the percentage of each kind of grain in Mixed Grain, and plump barley. Plump barley shall be expressed in terms of the range in which it falls. Ranges shall be: Below 50 percent, 50 to 55 percent, 56 to 60 percent, 61 to 65 percent, and the like.

## Grades, Grade Requirements, and Grade Designations

### §810.105 Grades and grade requirements.

The grades and grade requirements for each grain (except mixed grain) are shown in the grade table(s) of the respective standards. Mixed grain grade requirements are not presented in tabular form.

### §810.106 Grade designations.

(a) **Grade designations for grain.** The grade designations include in the following order (1) the letters "U.S."; (2) the abbreviation "No." and the number of the grade or the words "Sample grade"; (3) when applicable, the subclass; (4) the class or kind of grain; (5) when applicable, the special grade(s) except in the case of bright, extra heavy, and heavy oats or plump rye, the special grades, "bright", "extra heavy", "heavy" and "plump" will precede the word "oats" or "rye" as applicable; (6) when applicable, the word "dockage" together with the percentage thereof; and (7) when applicable, the remarks section of the certificate will include in the order of predominance, in the case of a mixed class, the name and approximate percentage of the classes, in the case of mixed grain, the grains present in excess of 10.0 percent of the mixture and when applicable, the words **other grains** followed by a statement of the percentage of the combined quantity of those kinds of grains, each of which is present in quantity less than 10.0 percent; in the case of barley the word "plump" with the percentage range thereof; in the case of barley or wheat the percentage of protein content: Provided that, in the case of barley recording the percentage of protein content shall commence on May 1, 1988.

(b) **Optional grade designations.** In addition to paragraph (a) above, grain may be certificated under certain conditions as described in FGIS Instructions when supported by official analysis, as "U.S. No. 2 or better **(type of grain)**", "U.S. No. 3 or better **(type of grain)**", and the like.

## Special Grades, Special Grade Requirements, and Special Grade Designations

### §810.107 Special grades and special grade requirements.

A special grade serves to draw attention to a special factor or condition present in the grain and, when applicable, is supplemental to the grade assigned under §810.106. Special grades are identified and requirements are established in each respective grain standard.

**§810.108 Special grade designations.** Special grade designations are shown as prescribed in §810.106. Multiple special grade designation will be listed in alphabetical order. In the case of treated wheat, the certificate will show whether the wheat has been scoured, limed, washed, sulfured, or otherwise treated.

## Subpart I — United States Standards for Soybeans

### Terms Defined

**§810.1601 Definition of soybeans.**
Grain that consists of 50 percent or more of whole or broken soybeans (*Glycine max* (L.) Merr.) that will not pass readily through an 8/64 round-hole sieve and not more than 10.0 percent of other grains for which standards have been established under the United States Grain Standards Act.

**§810.1602 Definition of other terms.**

(a) **Classes.** There are two classes for soybeans: Yellow Soybeans and Mixed Soybeans.

1. **Yellow soybeans.** Soybeans that have yellow or green seed coats and which in cross section, are yellow or have a yellow tinge, and may include not more than 10.0 percent of soybeans of other colors.

2. **Mixed soybeans.** Soybeans that do not meet the requirements of the class Yellow soybeans.

(b) **Damaged kernels.** Soybeans and pieces of soybeans that are badly ground-damaged, badly weather-damaged, diseased, frost-damaged, germ-damaged, heat-damaged, insect-bored, mold-damaged, sprout-damaged, stinkbug-stung, or otherwise materially damaged. Stinkbug-stung kernels are considered damaged kernels at the rate of one-fourth of the actual percentage of the stung kernels.

(c) **Foreign material.** All matter that passes through an 8/64 round-hole sieve and all matter other than soybeans remaining in the sieved sample after sieving according to procedures prescribed in FGIS Instructions.

(d) **Heat-damaged kernels.** Soybeans and pieces of soybeans that are materially discolored and damaged by heat.

(e) **Purple mottled or stained.** Soybeans that are discolored by the growth of a fungus; or by dirt; or by dirt like substance(s) including nontoxic inoculants; or by other nontoxic substances.

(f) **Soybeans of other colors.** Soybeans that have green, black, brown, or bicolored seed coats. Soybeans that have green seed coats will also be green in cross section. Bicolored soybeans will have seed coats of two colors, one of which is brown or black, and the brown or black color covers 50 percent of the seed coats. The hilum of a soybean is not considered a part of the seed coat for this determination.

(g) **Sieve — 8/64 round-hole sieve.** A metal sieve 0.032 inch thick perforated with round holes 0.125 (8/64) inch in diameter.

(h) **Splits.** Soybeans with more than 1/4 of the bean removed and that are not damaged.

### Principles Governing the Application of Standards

**§810.1603 Basis of determination.**

Each determination of class, heat-damaged kernels, damaged kernels, splits, and soybeans of other colors is made on the basis of the grain when free from foreign material. Other determinations not specifically provided for under the general provisions are made on the basis of the grain as a whole.

## GRADES AND GRADE REQUIREMENTS

**§810.1604 Grades and grade requirements for soybeans.**

| Grade | Minimum test weight per bushel | Maximum limits of -- | | | | |
|---|---|---|---|---|---|---|
| | | Damaged kernels | | Foreign material | Splits | Soybeans of other colors |
| | | Heat damaged | Total | | | |
| | *(pounds)* | *(percent)* | *(percent)* | *(percent)* | *(percent)* | *(percent)* |
| U.S. No. 1 ................. | 56.0 | 0.2 | 2.0 | 1.0 | 10.0 | 1.0 |
| U.S. No. 2 ................. | 54.0 | 0.5 | 3.0 | 2.0 | 20.0 | 2.0 |
| U.S. No. 3[1] ................ | 52.0 | 1.0 | 5.0 | 3.0 | 30.0 | 5.0 |
| U.S. No. 4[2] ................ | 49.0 | 3.0 | 8.0 | 5.0 | 40.0 | 10.0 |

U.S. Sample grade:

U.S. Sample grade is soybeans that:

(a) Do not meet the requirements for U.S. Nos. 1, 2, 3, or 4; or

(b) Contain 8 or more stones that have an aggregate weight in excess of 0.2 percent of the sample weight, 2 or more pieces of glass, 3 or more Crotalaria seeds *(Crotalaria spp.)*, 2 or more castor beans *(Ricinus communis L.)*, 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), 10 or more rodent pellets, bird droppings, or an equivalent quantity of other animal filth per 1,000 grams of soybeans; or

(c) Have a musty, sour or commercially objectionable foreign odor (except garlic odor); or

(d) Are heating or otherwise of distinctly low quality.

---

[1] Soybeans that are purple mottled or stained are graded not higher than U.S. No. 3.

[2] Soybeans that are materially weathered shall be graded not higher than U.S. No. 4.

## Special Grades and Special Grade Requirements

**§810.1605 Special grades and special grade requirements.**

(a) **Garlicky soybeans.** Soybeans that contain 5 or more green garlic bulblets or an equivalent quantity of dry or partly dry bulblets in a 1,000 gram portion.

(b) **Infested soybeans.** Soybeans that are infested with live weevils or other insects injurious to stored grain according to procedures prescribed in FGIS Instructions.

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***Official United States Standards for Grain,** Revised May, 1987 (U.S. Government Printing Office)

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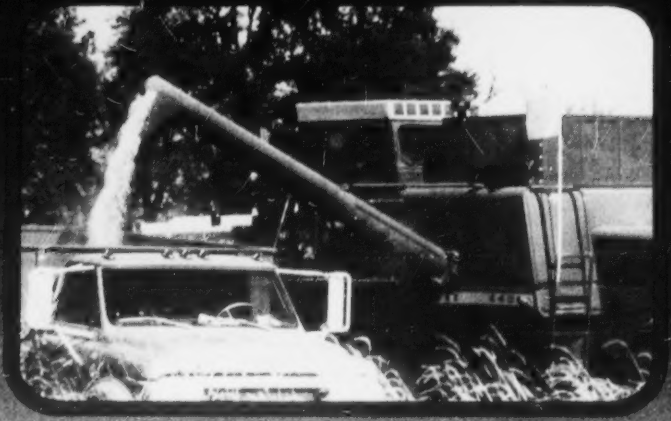

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